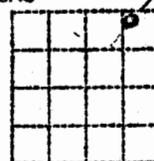


Company - SINCLAIR PRAIRIE OIL CO.
Farm - M. E. Worcester No. 1.

SEC. 16 T. 7 R. 22 W
NW NE NE
990' FE 330' FNL NE $\frac{1}{4}$

Total Depth. 3893
Comm. 12-1-44 Comp. 1-15-45
Shot or Treated.
Contractor. Harbar Drlg. Co.
Issued. 3-3-45

County. Graham
KANSAS



Elevation. _____

Production. Dry

CASING:

13" 42' Cem.
9 5/8" 1263' Cem.
5 1/2" 3858' BFM Cem.

figures indicate Bottom of Formations.

surface clay 10
sand 35
bentonite 46
shale 800
shale & shells 1120
lime 1135
shale sand & shells 1250
shale 1295
shale & shells 1365
red bed 1430
sand 1560
shale & shells 1765
shale & shells 1880
anhydrite 1975
shale & red bed 2110
shale & shells 2410
lime & shale 2450
shale & red bed 2525
lime & shale 2735
shale & lime 2795
lime 2820
shale & lime 2845
sand 2860
shale & lime 2905
lime & shale 2975
shale 2980
lime 2995
lime & shale 3055
lime 3095
lime & shale 3130
soft 3142
lime 3155
lime & shale 3200
lime 3230
lime & shale 3385
shale & lime 3465
lime 3495
lime & shale 3517
medium sft 3524
lime 3615
lime & shale 3640
lime 3735
lime & shale 3785
Run Schlumberger 3878
hole corr to (Rotary) 3868
lime hrd 3890
lime 3893
Total Depth

Tops:
Topeka 3305
Lan-KC corr meas 3532 no show
Base KC 3745 in top
lime sdy 3799
Conglomerate 3815 corr meas
Arbuckle DFM 3858

sli stain, very sli por
3560-65, 3575-80,
3600-05, 3640-45,
3650-55, 3670-75,
3735-40
sli stain 3790-95 very
sli por, none of these
shows considered com-
mercial

TD rotary hole 3868 show
heavy black oil, sli odor

Run Schlumberger set 5 1/2" @
3868 w/200 sx

Drilled plug, cleaned out
to bottom, no show oil
or wtr, tried to acidize
from 3860-69 run pressure
up to 1500# would not
go in

Lane Wells shot 42 shots
3860 1/2 - 3868 1/2 tried
again to acidize & would
not go in. Deepened w/
cable tools to TD 3893
filled up 500' wtr in
2 hrs 2100' in 12 hrs
from 3890-93

Set Lane Wells plug 3822,
rock to 3814 perf 41
shots 3775-92 on 4 hr
bailing test made 2 gal
wtr 1 qt oil hourly, acid
1000 gal 575# max press.

Set plug 3647' perf
18 shots 3630-35 had
85' fluid in 7 mins
50% wtr 50% oil, swbd
for test, showed 2 1/2
B fluid an hr 90% wtr
10% oil.

Set plug 3609' perf 40
shots 3546-55 bailing
test showed 6 gal wtr
small show oil in hr

Acidized 1000 gals 900#
max press min 250# swbd
11 BW an hr w/ small
show oil for 12 hrs,
shut down 12 hrs &
filled up 2420' w/small
amount oil

Set plug 3542' perf 34
shots 3528-37 filled up
500' wtr small show
lgt gty oil in 1 hr,
1200' wtr in 2 1/2 hrs
w/small amt lgt gty
oil.

All possibilities tested
& S.D. to abandon

5'2" btm cellar-surface
level
2'10" surface level-DF
1'0" DF-top rotary

42 shots 3850 1/2 - 3858 1/2
Plug 3812 rock to 3804
41 shots 3765 - 82
Plug 3743 rock to 3738
36 shots 3652 - 63
Plug 3637 18 shots 3620-25
Plug 3599' 40 shots 3536-45
Plug 3532' 34 shots 3518-27

Swbd off acid tested 2 hrs
made 1/2 B heavy blk oil 5 B
salt wtr an hr. Set Lane
Wells plug 3753' filled w/
rock to 3748
Perf 36 shots 3662-73 had
240' fluid in hole after
1 1/2 hrs nat mostly wtr,
on 10 hr swab test swbd
2 1/2 B fluid an hr which
was 3/4 BO & 1 3/4 BW