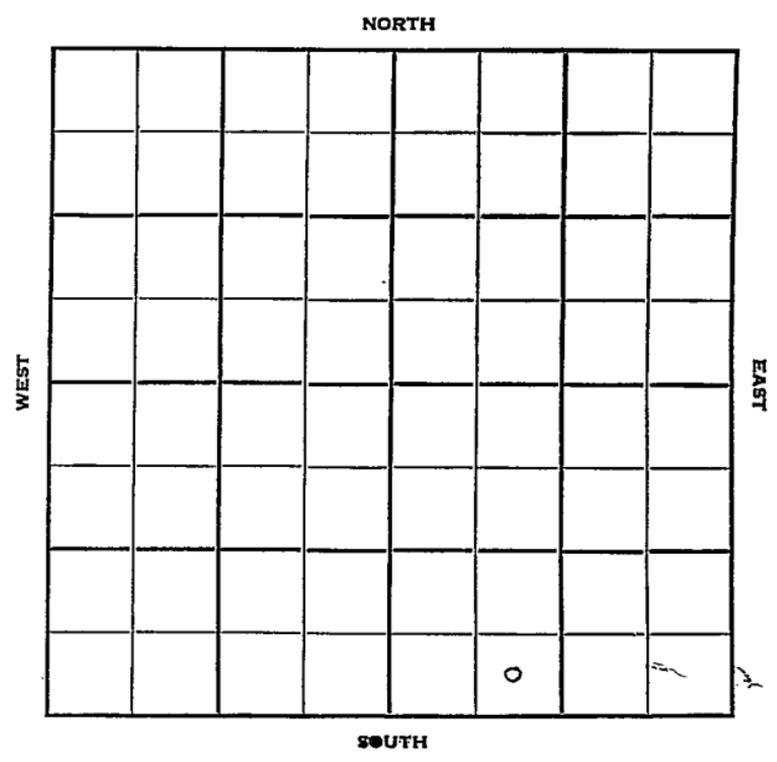


Section 4 Township 29 Range 12W

Well No. 1 Tucker

Company Superior Oil



Sec. 4 Twp. 29S R. 42W

Well No. #1-Ella Tucker Farm

Superior Oil Company Company

Portable Drlg. - Contr. Contractor

We donate \$3000.00 dry hole money

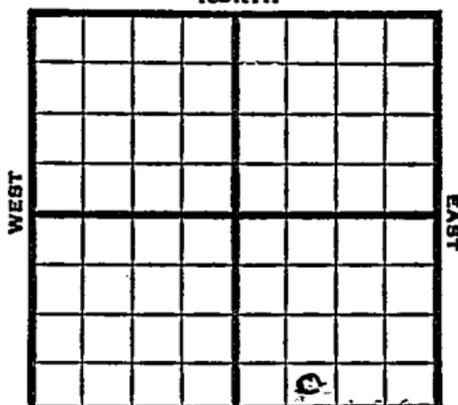
\_\_\_\_\_ Ft. from N. Line

330' Ft. from S. Line

\_\_\_\_\_ Ft. from E. Line

990' Ft. from W. Line

Arbuckle Test Approx  
6000' feet



SE SW SE Kelly Bushing 5400'

1951 Elev. <sup>3486' K.B. (corrected by ltr. 10-9-51)</sup> 3483' REPORT

6/27 To Start August 1, 1951  
To Complete November 1, 1951

7/31 Starting date changed to Sept. 1, 1951  
and completion date changed to Dec. 1.  
Information from Miss Morrow.

8/1 RUR. (L R)

**TIGHT HOLE--PLEASE DO NOT GIVE THIS INFORMATION TO ANY ONE. Superior request A. L. Repeck district Geologist. Wichita, Kansas.**

8/9 Spudded 8-8-51  
TD. 632'  
Preparing to run surface pipe  
Top Cretaceous sand 200'  
Top Red Beds 585'. (L R)

8/10 Running surface casing. "

8/13 13-3/8" at 625' with 550 sacks.  
Installing blowout preventers. "

8/20 Drilling 2270' Red shale & lime  
Reduced hole to 8-3/4" at 2100'.  
Blaine 1124' "

8/21 Making trip 2420' Anhy. & Dol. and shale.  
Begin coring at 2420'. "

8/22 Drilling 2540' shale, stks lime  
Cored 2416'-2436' - Rec. 17'  
3' Dense gray lime - 14' Red sandy siltstone and shale.

1951

- 8/23 Drilling 2700' shale with lime streaks. (L R)
- 8/24 TD. 2800' lime & shale. Preparing to run intermediate casing. "
- 8/24
- 8/28 TD. 2801' Jetting pits and mixing mud preparatory to drilling deeper. "
- 8/29 TD. 2898' sand Preparing to core. "
- 8/30 Drilling 3065' lime & red sand. Cored 2898'-2910' Rec. 4 1/2' sandy limestone and shale. no shows. "
- 8/31 9-5/8" at 2650' Drilling 3065' lime & red sand Cored 2898'-2910' Rec. 4 1/2' sandy limestone and shale. No shows. "
- 8/31 Drilling 3220' limestone & shale. "
- 9/4 TD. 3612' lime Preparing to core Good odor 3602'-10' Core #4 3361'-3368' Rec. 7' limestone with trace of tarry residue. "
- 9/5 Coring 3630' Core #5 3612'-3624' Rec. 5' 4' 8" gray-buff dense limeston 4" gray-green shale, good sweet gas odor. "
- 9/6 TD. 3630' \* Prep. to drill ahead. Cored 3624'-30' Rec. 9' (3' pickup from preceding core) DST. 3538'-3630' - open 1 hr. Fair blow of air 45" then decreasing for remainder of hour. Rec. 990' slat water cut drlg. mud, possibly slightly gas cut, no odor. Rec. 270' salt water 15" shut in pressure 600# FP 450#. (L R)
- 9/7 Drilling 3709' Top Lansing 3635'. "

1951

- 9/8 3787' lime & shale, lost circu.  
Topeka 3173'  
Heebner 3603'  
Lansing 3635'  
Hydrostatic pressure for #1 DST.  
1750#. (L R)
- 9/10 Drilling 3787' lime & shale. "
- 9/10 Drilling 4065' lime. "
- 9/11 Drilling 4172' dense cherty lime. "
- 9/12 TD. 4288' lime  
Making trip. "
- 9/14 Drilling 4404' lime. "
- 9/14 Drilling 4504' lime. "
- 9/17 Drilling 4721'  
Cored 4616'-25'  
Rec. 7' limestone, no shows. "
- 9/18 Drilling 4794' limestone. "
- 9/19 Drilling 4886' Black shale. "
- 9/21 Drilling 5075' limestone. "
- 9/24 TD. 5180' - prep. to run schl.  
Cored 5177'-80'  
Rec. 1' calcareous argillaceous Dol.  
No shows  
Have been losing circulation almost  
continuously for past 100'. "
- 9/25 Drilling 5225' limestone "
- 9/26 Core #9 5246'-57'  
Rec. 9' shale, no shows  
Preparing to drill ahead. "
- 9/27 , Drilling 5374' shale and sand. "
- 9/29 Coring 5423' sand  
Cored #10 5378'-98' - Rec. 20'  
2' shale  
2' sand & shale  
2' shale  
14' shale with sand inclusions and  
streaks.

OVER

1951

#1 Ella Tucker

10/1

TD. 5485'

Reaming 5432'

Will drill stem test approx. 5373'-5485'

Core #11 5416'-5426' - Rec. 7'

5' coarse calcareous sandstone

2' shale

Core #12 5426'-5446' - Rec. 21', 1' pack

13'6" fine to medium calcareous sandstone

4'6" greenish brown limestone

3' green limestone

Core is broken with vertical fractures

Core #13 5446'-5485'

Rec. 39'

2' coarse calcareous sandstone

5' fine calcareous sandstone

6' light gray glauconitic sandy  
limestone

7' gray calcareous sandstone

8' cream calcareous sandstone

11' fine crystalline oolitic limestone  
with sweet gas or distillate odor  
in streaks.

Entire core shows vertical fracturing.

10/2

Reaming 5458'.

(L R)

10/3

TD. 5485' - going in to condition  
hole.

DST. 5373'-5485' - open 1 hr.

Good blow of air 2 minutes then  
packer failed.

Reset packer, weak blow of air 23  
minutes then died.

Rec. 90' fresh water

980' drilling mud

Hydrostatic pressure 2600# FP 800#. "

10/4

DST. 5366'-5485' - packer wouldn't seat

Packer finally held for 41"

Medium blow for 21 minutes

Rec. 2060' drilling mud

Hydrostatic pressure 2600#

FP 800#-1050# - Shut in Press. 1050#

(L R)

1951

10/5

@ 5486' preparing to core.  
Made 1' cleaning out hole with basket.

DST 5377-85, open 1 hr, good blow of air at first dying in 31 mins. recovered 375' drilling mud, Now shows.

Hydrostatic Pressure 2600#

Flowing pressure: average about 300# with some sharp rises up to 1400#

15 minute shut in pressure 150#. (Ltr)

10/8

@ 5551' preparing to drill stem test.

Core #14 5486-5514', recovered 28' 20' limestone, light gray, fine, crystalline, sandy, includes highly fractured zone 5501-5503' with good odor.

4' shale, green & brown, hard,

4' limestone, gray-brown, fine crystalline, fractured now shows.

Core #15 5514-5551'

Recovered 28'

9' limestone as in core above.

8' limestone, light gray, hard, fine crystalline, sandy, glauconitic.

10' limestone, light brownish gray, sandy, oolitic

1' limestone, light gray to white, very sandy, slightly oolitic.

Core is fractured throughout, no shows.

(Ltr.)

10/9

Preparing to drill stem test 5475-5551'

Tentative formation tops:

Base Pennsylvanian/Top Chester 5425'

Top St. Genevieve 5453'

Corrected elevation 3486' K.B. (Ltr)

10/10

Coring 5555'

DST #5, 5475-5551', open 1 hr, fair blow of air throughout., rec. 355' drilling mud, 685' highly oil & gas cut mud. FP 575-625#

Hydrostatic pressure 2575#

15 minute Shut-in pressure 1625# (Ltr)

# 1 Ella Tucker

1951

- 10/11 Preparing to core ahead.  
Core # 16, 5551-5586', rec 17',  
17' very sandy limestone, few  
vertical fractures, scattered  
faint gas odor. (Ltr)
- 10/12 Coring 5617' "
- 10/15 Reaming 5623'  
Core #17, 5586-5618', recovered  
5' oolitic limestone, good  
porosity, fossiliferous, slight  
sulphur odor.  
Drill Stem Test #6, 5541-5618',  
open 1 hr, strong blow of air  
for 30 minutes, then weakening.  
Recovered 450' drilling mud,  
1965' muddy salt water.  
Hydrostatic pressure 2530#  
Flowing pressure 870-1170#  
15-min. Shut - in pressure 1670# (Ltr)
- 10/16 Drilling 5631' lime & chert. "
- 10/17 Drilling 5654' limestone. "
- 10/18 Drilling 5702' limestone & dolomite " "  
Trip 5693' "
- 10/19 Drilling 5729' limestone, chert. "  
Lost circulation 5719' "
- 10/22 5846' porous limestone. "  
Preparing to core. "
- 10/23 Coring 5894' "  
Began core #18 at 5846' "
- 10/24 Drilling at 5902'  
Core #18, 5846-5902',  
Recovered 56'  
56' of cherty dolomite streaked  
with limestone, showing scatter-  
ed wormhole and vuggy porosity.  
No shows. Strong sulphur odor. (Ltr)
- 10/25 Drilling 5931' lime & dolomite. "
- 10/26 Drilling 5983' lime & chert. "
- 10/29 Drilling 6120' dolomite, limestone  
& chert. "
- 10/30 Drilling 6140' limestone & chert. "  
Lost circulation at 6130 & 6131' "

1951

10/31 Drilling 6185'.  
Losing circulation since 6167'  
Top Gilmore City tentatively  
picked at 6155' (Ltr)

11/1 Drilling 6243' chert.  
Will core for Viola top when present  
bit is dull. (Ltr)

11/2 Started coring 6249'.  
Coring at 6252' "

11/3 Preparing to core.  
Core #19 6249-6278'  
Recovered 29' of cherty lime,  
green shale and dolomites,  
coarsely crystalline to sucrose.  
Fair porosity thruout core.  
No shows. "

11/5 Preparing to DST, approx 6250-6316.  
Core #20, 6278-6298, rec 16' of  
dolomite w/cherty streaks. No shows.  
Core #21, 6294-6316', rec 20' of  
dolomite, cherty, shaley in spots,  
fractured. No shows. (Ltr)

11/6 Preparing to core at 6316'.  
DST #7, 6259-6316, open 1 hr,  
weak blow of air 4 mins, then died.  
Recovered 10' drilling mud.  
Hydrostatic pressure 3000#  
Flowing pressure 0#  
15-min. shut-in pressure 950#. "

11/7 Core #22 6316-6363'  
Now pulling. "

11/8 Coring 6381'.  
Core #22, 6316-6365'  
Recovered 49'  
45' dolomite, gray-buff  
fine crystalline, fractured, vuggy,  
contained salt water.  
4' dolomitic sandstone,  
angular, poorly sorted, very hard  
and tight. No shows. (Ltr)

#1 Ella Tucker

1951  
11/9

Coring 6396'.  
Coring #23 6365-6391', rec 26'  
7' sand as in bottom of preceding  
core. No shows.  
19' dolomite, fine to coarse  
crystalline, vuggy, shaley,  
vertically fractured, contained  
salt water. No shows.  
Top Arbuckle as correlated with  
Stanolind #1 Bear, 6372'. (Ltr)

11/12 TD 6432'. Ran Schl. Waiting  
on orders. "

11/13 Equalized at 5600 w/100 sacks.  
Cleaned out to 5510'  
Will DST 5430-5510' "

11/14 Top of plug 5296'. Cleaned out  
to 5510'. Conditioned hole.  
Now going in with Halliburton  
formation tester to drill stem  
test 5432-5510'. "

11/15 Ran DST 5433-5510, open 1 hr, fair  
to weak blow of air, died at end.  
Recovered 870' mud. No shows.  
FP 0-400. HP 2500# SIP 0#  
Test was a failure due to packers  
leaking.  
Re-ran test 5435-5510, open 1 hr,  
weak blow air for 15 mins, died,  
closed and reopened tool, fair blow  
of air, decreasing for remainder  
of test.  
Recovered 210' of new mud, 520' of  
old mud. No shows.  
FP 0-400# HP 2500# SIP 1800#  
Preparing to clean out and set new  
plug at approximately 5800'. (Ltr)

11/19 Plugged 5700'  
DST 5660-5700, open 1 hr, very  
light blow of air, decreasing to  
dead in 1 hr. Recovered 100'  
drilling mud. No shows. FP 30-100  
15 min SI P 1160. HP 2500  
Now standing plugged to 2625'.  
Moving off rig. Will test Hugoton  
section thru perms. (Ltr)

#1 Ella Tucker

1951

11/30

Is moving in cable tools to perforate and test the Hugoton gas pay zone. (Ltr)

12/3

PB to 2625'

Perf w/four cones & four bullets per ft, 2315-2322; 2324-2340; 2347-2375'. Swabbed dry thru tubing. Acidized w/5000 gallons 15% regular acid, swabbed dry. No shows. Perforated 2404-35; 2462-80, swabbed dry, acidized w/5000 gallons. Swabbed dry. No shows. Perforated 2550-2600, swabbed dry. Acidized w/5000 gallons followed by 15 barrels water. Flowed back water in 3 mins. Continued to flow for 65 mins. Swabbed dry. No shows. Equalized w/50 sacks cement at 2295. Now preparing to abandon. (Ltr)

1952

1/2

Spud 8-8-51

D & A TD 6432'

Cretaceous sand 200'

Top Red Bed 585'

13-3/8" @ 625' 9-5/8" @ 2650'

Cored 2898-2910', rec 4 1/2' sandy limestone, & shale.

Cored 3361-3368', rec 7' limestone w/trace of tarry residue

Cored 3612-3624 rec 5' gray buff dense limestone, 4' gray green shale w/sweet gas odor.

Cored 3624-30', rec 9' shale.

DST 3538-3630 open 1 hr. rec 990'

SWCM, 270' SW

Topeka 3173' Heeb 3603' Lans 3635'

Cored 5177-80' rec 1' calcaveous dol.

Cored 5246-57', rec 9' sh.

Cored 5378-98', rec 20' sh & sand.

Cored 5416-26, rec 7' sandstone & shale.

Cored 5426-46, rec 21' sandstone & limestone

Cored 5446-5485, rec 39' sandstone & limestone

DST 5373-5485 open 1 hr, rec 90' fresh water, 980' mud

DST 5366-5485' packer failed.

# 1 Ella Tucker

1952

1/2

(Information continued)

Cored 5486-5514', rec 28' limestone

Cored 5514-51, rec 29' limestone

DST 5377-85, open 1 hr. rec 375' mud

DST 5475-5551', open 1 hr. rec 355'

mud, 685' highly oil & gas cut mud.

Base Penn. Top Chester 5425'

St. Genevive 5453'

Cored 5551-86, rec 17' sandy lime-  
stone

Cored 5586-5618', rec 5' limestone,  
sli. sul. odor.

DST 5541-5618', open 1 hr. rec 450'  
mud, 1965' muddy SW

Cored 5846-5902', rec 56' cherty dol.

Warsaw 6020' Osage 6120'

Gilmore City 6155'

Cored 6249-78', rec 29' cherty lm, gr  
shl. & dol.

Cored 6278-94', rec 16' dol.

Cored 6294-6316', rec 20' dol.

DST 6259-6316, open 1 hr. rec 10' mud

Cored 6316-65, rec 49' dol.

Cored 6365-91', rec 7' sand, 19' dol.

Arb. 6372'

TD 6432' CO to 5510' DST 5433-

5510' open 1 hr. rec 870' mud

DST 5435-5510' open 1 hr. rec 210'

new mud, 520' old mud SP 5700'

DST 5660-5700' open 1 hr., rec 100'

mud. PB 2625' 28/2315-22

60/2325-40 Test dry 5000 A

74/2404-35 72/2462-80 5000 A

160/2550-2600 5000 A N/S

D & A

**ABANDONED**





Drlg. Data

Cored 5446-5485 Rec. 39' sandstone & limestone

DST 5373-5485 open 1 hr. Rec. 90' fresh

water 980' mud DST 5366-5485 packer

failed Cored 5486-5514 Rec. 28' limestone

Cored 5514-51 Rec. 29' limestone

DST 5377-85 open 1 hr. Rec. 375' mud

DST 5475-5551 open 1 hr. Rec. 355' mud

685' highly oil & gas cut mud Base Penn.

Top Chester 5425 St. Genevive 5453

Cored 5551-86 Rec. 17' sandy limestone

Cored 5586-5618 Rec. 5' limestone, sli.

sul. odor DST 5541-5618 open 1 hr.

Rec. 450' mud 1965' muddy sw

Cored 5846-5902 Rec. 56' cherty dol.

Warsaw 6020 Osage 6120 Gilmore City 6155

Cored 6249-78 Rec. 29' cherty lm, gr. shl.

& dol. Cored 6278-94 Rec. 16' dol.

Cored 6294-6316 Rec. 20' dol. DST 6259-

6316 open 1 hr. Rec. 10' mud Cored

6316-65 Rec. 49' dol. Cored 6365-91

Rec. 7' sand 19' dol. Arb. 6372

TD 6432 CO to 5510 DST 5433-5510

open 1 hr. Rec. 870' mud DST 5435-5510

open 1 hr. Rec. 210' new mud 520' old mud

SP 5700 DST 5660-5700 open 1 hr.

Rec. 100' mud PB 2625 28/ 2315-22

County \_\_\_\_\_ State \_\_\_\_\_

Sec. \_\_\_\_\_ (Blk.) \_\_\_\_\_ (Sur.) \_\_\_\_\_ Map No. \_\_\_\_\_  
 (Twp.) \_\_\_\_\_ (Rge.) \_\_\_\_\_

Operator \_\_\_\_\_

Well No. \_\_\_\_\_ Farm \_\_\_\_\_

Elev. \_\_\_\_\_ Location \_\_\_\_\_


\_\_\_\_\_ Ft. From \_\_\_\_\_ Line \_\_\_\_\_

\_\_\_\_\_ Ft. From \_\_\_\_\_ Line \_\_\_\_\_ Quarter \_\_\_\_\_

\_\_\_\_\_ 1st. Report \_\_\_\_\_

\_\_\_\_\_ Completion \_\_\_\_\_

\_\_\_\_\_ Remarks \_\_\_\_\_

\_\_\_\_\_ Spudding Date \_\_\_\_\_

Drilg. Data \_\_\_\_\_

60/ 2325-40 test dry 5000 A

74/ 2404-35 72/ 2462-80 5000 A

160/ 2550-2600 5000 A N/S

D & A