

Tilley #2

10/21/62 Set 5½" csg @ 4451, OH 4451-61 in MISS.

10/27/62 A 1000 gal. Max press. 1300# @ 5 BPM.

11/16/62: Static test: 149 BOPD + 4% wtr.

12/19/62 75 Bo + 36 BWPD

6/26/63: Reacidizes 150# salt in hole, A 1000 gal, load hole w/ oil.
Hole would not load, took acid on vacuum imposed.

2/15/76 Prior to workover making 9 BOPD from MISS.

2/16/76: RF Ft. Scott 4344-46 to commingled w/ MISS.
Ran straddle packers @ 4351 + 4339. Swabbed dry, let stand 30" - no fluid.
Acidize Ft. Scott 2800 gal. ONFL: 500' off packer, sub. dry.

Treated 1st ½ of fluid @ 2 BPM w/ 200-300# press.

Treated 2nd ½ of fluid: @ 3 BPM w/ 100-200# press.

no overflush, on vacuum in 4", let stand 1 hr.

Static test indicates formation press. had been depleted considerably.
@ 1:40: 1st hr. 11.69 Bo w/ tr. wtr.
2nd hr. 7.5 Bo, NW
3rd hr. 2.9 Bo, NW

2/17/76: Sub. acid + wtr., with oil @ 1:40 PM, last hr: 2.9 Bo/NW, but 25 Bbls load

2/18/76 Filled 5.47 bbls in 16 hrs. at 939' off btm.

Blank Snider Btm hole pressure of 338# @ 40° wtr.

2/19/76 BT: 15 BOPD + 435 BW (6 BOPD Difference.)

Cumm. 115,488 B0 35 1/2 yrs.

29' of oil column

Down 4/98

Tilley #2 Chronology

10/21/62 5 1/2 csg. @ 4451

10/25/62 Drill shoe

10/27/62 A1000, max press. 1300 #, 5 bbl./min.

11/14/62 State test: 149 BOPD + 6 BWPD

12/19/62 BT: 75 B0 + 36 BWPD

4/26/63 A1000, 150 # rock salt, load hole w/ oil - hole would not load, took acid on vacuum immediately.

12/18/63 State Test: 54 B0 + 139 BWPD

3/28/66 BT: 18 B0 + 162 BWPD

10/71 Rod part (160)

11/71 Polish rod

1/72 Rod part (41)

4/72 Rod part 2nd 7/8"

1/73 Put Pksbrg 228 on here

9/73 Rod part (53), raised well

4/74 " " (17th)

7/74 " " (34th)

8/74 " " (34th)

10/74 " " (50th), replaced 75 rods.

12/74 " " (4th), pin break.

1/75 " " (2' sub)

3/75 " " (4th)

4/75 " " (21) pin break; unscrewed 153-154.

5/75 " " (25)

12/10/75 " " (23) pin break.

2/14/76 Perch. Fr. Scott 4344-46, A2000, pressure depleted, ^{Appar. Commingl} Calc. BHP = 338 #

2/2/76 Rod part (154th)
BT: 13 B0 + 419 BWPD

3/5/76 " " (28th - 78's)

3/10/76 " " (1950'), replaced 78 - 78th rods with Norris type 90 new

4/19/76 Rod part (80) body break.

2/86 BT: 8 BOPD + 404 BWPD

10/3/86 File for temp. abandoned status.

DATE	DESCRIPTION OF WORK	REF. VO. NO
1-71	Electric motor went out due to blizzard	1-88
6-71	Put in 50 plastic rod guides on $\frac{1}{8}$ " rods. Install anchors in gun barrel	
July 1971	Pulling unit - tbg. leak (18 th) Replaced 15 couplings. Repaired seating nipple. Repaired 1" $2\frac{1}{2}$ " x $2\frac{1}{4}$ " x 12' x 14' x 17' Heavy Wall Tubing pump reran. Put rod guides on top 26 rods. Fluid level shots - see opposite side of report. Put in 45A mod B-3 Testing Anchor Catcher	
Sept 1971	50- 5278 $\frac{1}{8}$ " x $2\frac{1}{2}$ " Hull Guard Paraffin scrapers	
Oct. 1971	Pulling unit - rod part (160)	
Nov. 1971	Single drum unit - fish polished rod and run new one in.	
Dec. 1971	Install safety switch	
Jan. 1972	Rod part (41) Change sheave on electric motor to 8.5.	
Mar 1972	Barrel test, pressure up + test tubing.	
April 1972	Rod part (2nd - $\frac{1}{8}$ ")	
Oct. 1972	Fluid level shots	
Jan. 1973	Took off Phatz 114 + transferred to Humphrey. Put on Phatz 228. f. Swaydon #1. Heater burned up in control box (electric problem - low voltage per C.P.) Line plugged at SWD. Unplugged w/ hot water.	
Mar 1973	Fluid level shots taken by Beardmore. See opposite side	
April 1973	Several barrel tests - see opposite side. Gun barrel rigged up w/ outside siphon, water dump valve taken off. Put time delay on pumping unit	
May 1973	Trade 25 H.P. GE Electric Motor for 30 H.P. Century @ Misco. Install time delay on pumping unit. Hi-speed shaft on unit broke 5/29/73.	
June	Electric storm 6/28. Burned out 30 H.P. motor.	
July	30 H.P. motor struck by lightning	
Sept.	Pulling unit (53rd) Pulled tbg to check f/leak. Repaired tbg anchor + $2\frac{1}{2}$ " x $2\frac{1}{4}$ " x 12' x 15' x 18' Tbg. Pump. Installed new control box. Raised well	
Nov. 1973	Fluid level shots	
1974		
Apr.	Rod part (17 th)	
July	Rod part (34 th)	
Aug.	Rod part (34 th)	
Oct.	Fluid level shots - Unit for rod part (50 th) Pulled all rods and replaced 75- $\frac{1}{8}$ " rod boxes, (cplgs)	
Dec.	Five parted rods. Pin break	12-124

Tilley #2

REF. VO. N

DATE

DESCRIPTION OF WORK

DATE	DESCRIPTION OF WORK
1974 Dec.	Rod Part (4 th)
1975 Jan.	Rod part. 2' sub
March	Rod part (4 th)
April	Pin break (21) Parted uncrushed 153-154
May	Fish parted rod 25 rods deep
12-20-75	Fish parted rod pin break - 23 rods deep
2/16/76	Workover. Rf. Ft. Scott. See opposite side. Club Sinker report. Rod break (154 th). Had to pull tbg. RFW decided to do Ft Scott zone. 4344-4346
March	3/5/76 Rod part (28 th - 3 rd ths), 3/10/76 Rod part. Pulled 78- $\frac{7}{8}$ ths rods and replaced with Davis type 90 new rods. 1950'. Old rods 78 in yard. Next examined all 78 + only 37 were fair. Will try to set all. Credit lease if sold.
3/5-3/10, 3/11/76	Fish parted rods pin break 18 down, pin break 28 down
Apr. 1976	Fluid level shots
4/19/76	Fish parted rods, body break 80 rods deep.
5/1/76	Spun down from 13 to 13 $\frac{1}{2}$ SPM. Barrel tests opposite side
5/24/76	Longstroked well
Aug 77	Fluid level test

Halters Drilling Co. et al

E Se 1/4 SW 1/4
Sec. 8-170-24W - Ness Co., Ko.
Well #2 - Harkness
East Scott Scott
Clark S. Snider - Engineer

2-16-76 Ran Great Guns log. Total depth B.B. 4463'.
Ran drilling depth showed 4461'. Corrected log
to 4461'. East Scott 4362' by log. 5 1/2" clog.
@ 4452'. Perf. 8 penetrating charges from
4344' - 4346'. Ran straddle packer on 2-7/8"
thg. Btm packer seated @ 4351'. Top packer
seated @ 4339'. 4:00 pm tubing snubbed down -
no fluid coming in hole after perf. Still
snub down again ~~transmission~~. @ 4:30 pm
and soon.

2-17-76 This morning had little pressure on tubing. Filled
up overnight = 500' oil and water (15 hrs.). Snubbed dry.
Acidized w/ 2000 gal HCl 15% nonemulsifying
acid. Maximum pressure 500#. First half of
treatment pumped in 2 BPM, 200-300# pressure.
Last half pumped in 3 BPM, 100-200# pressure.
Shut on vacuum in 4 mins. No overflow of fluid.
Let stand one hour - started getting lead water
and acid back @ 1:40 pm. Began to see oil.
Snubbed 1:40 - 2:40 pm = 11.69 BO trace water.
" 2:40 - 3:40 " 7.5 BO trace water.
" 3:40 - 4:40 " 2.9 BO

While snubbing last hour had very little FU.
No free gas. Lost about 25 bbl lead water
and acid. No good BHP's.

2-18-76 Ran snub down - hit fluid @ 3400'. Top packer
set @ 4339'. FU from 4339' = 939'. From top
perforation made 4344' = 944'. Small blow when
opened tubing this morning. Still let snub down,
release packer, come out of hole w/ thg.
FU = 5.8 BO and if 40" brow. calculates as a BHP in
St Scott zone of 338 psi.

Normal written report to follow.

$8\frac{5}{8} = 145$

Lilley # 2

FEB-18-1976

~~Sept 17 1973~~ ~~11-7-73~~

78 - $\frac{1}{8}$ rods -

77 - $\frac{3}{4}$ rods

15

Tubing sub $2\frac{7}{8}$

1-2" 1-6 sub

2-4 1-10 "

125 ft $2\frac{7}{8}$ tubing

3855

SEP 17 1973

5 ft



Model = B
Baker tubing anchor
sub = 2" Catcher

Tubing Barrel 12.00
 $2\frac{1}{2}$ " x $2\frac{1}{4}$ " x 12

sub $2\frac{7}{8}$ 3"

Leaking nipple

Perforations

5 1/2 casing set @ 4452

2/16/1976

FT-SCOTTA 4344 + 46

Its 17 Tail Pipe
523.23

Tubing hanger 6 ft off
bottom

Mud anchor 25.00
548.23

9 but open hole.

T. D. HAY

Mississippi

Jilley #2

11-28-79

- 28 - 1979

78 Sooner River Survey
New Rods - March 11-1976

77 Rods

Tubing Sub
1-2 0 1-6
2-4 - 1-10

125 Jts 2 7/8 Tubing
3855

5 1/2' core



Model-B
Baker Tubing Anchor
3' Catcher
length?

3" Sub.
Tubing Barrel 12.00
2 1/2" x 2 1/4" x 12

3" Sub
Seating Lipple 1' length?
Perforations Lipple 3' length?

17 Jts Tail Pipe
5 23.23

2/16 / 1976

FT - Scotts 44344-46

mud anchor 25.00

Casing set at 4452.

D 44.60

9 feet open hole

4/4/2223

Change Pump 4-7-1987 Hunt well

1 2 3 4 5 6 7

Walter Dickey Co Inc.
~~10-24-1984~~
 near Crude Pully Unit
 7/8 80 new rods 3-11-1976
 Tubing Sub.
 1-6
 1-10

3/4 77 Road. Replace. New 2-1985
 129 Jts 2 7/8 Tubing

road sub 7/8 - 4-8
 3948.70

16 Road road.
 4.00
 4.00
 6.00 Sub.
 14.00

Hunt well
 12-8-87
 Drill out Bath
 88 7/8 rods 77 3/4 rods
 a/c Row Fuller
 2-16-94

88 7/8 rods 77 3/4 rods
 P-R-1 1/4 x 16' Sub-1-4' 1-6' 7/8
 Plunger - 2 1/2 x 2 1/4 x 4' Tubing - 129-2 7/8
 T-Sub-1-2' 1-4' 1-6' 1-10'
 Anchor 2 1/2 x 5 1/2 Barrel - 2 1/2 x 2 1/4 x 9'
 M-A- 4' Perf. Tail pipe - 14 joints
 M-A. Bottom - 16'

5 1/2 2 jts tubing off pipe rack - 1 3/4 3160
 1 3193, 2 new 3/4 rods, 29 3/4 rod (new)

Replace Tubing Pump
 new
 10-24-1984
 Sub 2 7/8 - 3' Catches
 10 Tubing Barrel 10600

Sub 2 7/8 - 3"
 Seating nipple
 Perbortan nipple 2"

2/16/1976
 FT - Scott a 4344-46
 Jts 14 Tail Pipe. 2 7/8
 441. -

Mud anchor 2500 -
 466.00 Bottom all m.c.
 owned 4456. -

9 last open hole
 T.D 4466
 + Mississippi

Change Pump 4-7-1987 Hunt was in

900E-1 0360-1 2nd joints 1-2990

16' pony rod out of dog house
14' pony rod out of dog house
replaced 5 tubing sections

22 7/8 rod before

3972.70

near Crude Calf Unit

7/8 80 New Rods 3-

3/4 77 Road. Reg

road sub 7/8 - 4-8

16 Road rod.

Hunter with Sec

12-8 - 87

Boat out Bottom

Hunter with Sec

Navels 2-1988

Replaces 2 1/4 x 4 Plug

5 1/2 casing

Replaces Tubing Pump
10-24-1984

Repos.

Grade B

Baker Tubing Anchor

Sub 2 7/8 - 3" Catches

10 Tubing Barrel 10600

Sub 2 7/8 - 3"

Seating nipple

Perbasteam nipple 2"

2/16/1976

FT - Scott a 4344-46

Jts 14 Tail Pipe. 2 7/8
441. -

Mud anchor 2500 -

466.00 Bottom of m.

omical 4456. -

9 last open hole

T.D. 4466

+ Messings

4/7/87 Change pump.

11/1/88 Rod part (146th) pin; replaced + cleaned w/ 77 3/4" rods.

1: 1988 Av. for yr. 5.04 BO + 340 BWPD

1992 Av. for yr. 3.69 BO + 372 BWPD

8/8/94: Rod part (6'sub)

10/1/94 Polish rod parted

1/3/95 " " "

7/21/95 New polish rod.

12/13/95 BT: 4 BO + 356 BWPD

2/8/96 BT: 1.9 BOPD, 359 BWPD

2/16/96

3/13/96 BT: 11 BO + 421 BWPD

6/6/96 BT: 4 BO + 408 BWPD

6/24/96 Rod part (42th)

8/30/96 " " (30) pin

9/4/96 " " (4'sub) pin

9/13/96 BT: 5 BO + 475 BWPD

12/2/96 Rod Part (75) pin

12/96 BT: 5 BO + 475 BWPD

2/4/97 Rod Part (15th)

3/17/97 Treated for scale.

3/12/97 Rod part (6th, 7/8") body break

4/4/97 Rod part (4th, 7/8")

6/4/97 " " (58th) pin

6/97 BT: 4 BO + 428 BWPD

8/22/97 Rod part (53rd) pin

12/14/97 Rod part (13 or so)

1/12/98 " " (40) pin

1994

Tilley #2

Jan

Repair Reins & 12th Babbitt

Repair 3pc Clutch Plate

Replace Polish Rod 1 1/4" x 16' & Liner

Feb

16th - Rigged up & pulled Rods, pulled tubing tested to 6000^{lb}

18th Started well 1:45 PM

Prepared notes to talk to Phil Hawk at
Southwest Royalties about Tilley proposed location
C-SE-SE 8-17-24W
Tilley

3/11/94
Royalties: They want to give us a 75% NRI on their 62.5%
or a 12.5% ORRI

will give: Drill a hole at cost: \$47,823 + 1,000 fill in pits.

ac's position: IP's vary 8: #1 Tilley C-SW-SE 15 BO + 67% W 14/62
Sec 8: #2 Tilley SE-SW 147 BO + 4% W 11/62
Sec 17 #4 Dickman NW-NE Injwell
" #1 Elmore NE-SW 75 BO 2/63
" #3 Dickman SE-NW 190 BO + tr. wtr. 10/62
" #2 Dickman NW-NW 57 BO + NW
" #6 Dickman SW-NE 35 BO + 86% W 10/76
" #1 Dickman NE-NW 76 BO + NW
" A-2 Dickman NE-NE 75 BO 5/93
" A-1 Dickman SE-NE ⁴⁴/₇₆ + 10 BO 12/92
18 #4 Sargent 510 ENL, 510 FEL, 8 BO + 78 BO 6/84
" 1 Sargent SE-NE, 91 BO + NW 9/72
" 1 Humphrey NE-SE, 79 BO, tr. wtr. 12/72

IF don't want to go that much we would buy up to

interest
same — 20% of ~~the~~ your working interest. ^{including} ~~pay~~ buying ~~cost~~ \$20% of
other 2 wells in advance - deduct from drilling costs.
We don't want to put up another set of tank batteries.

These wells don't run out of oil - they run out of profit

We don't think 75% will work out there. IP's vary.

75 BOPD well, + 35 BOPD well.

Tilley water 2¢/bbl. - gravity fed.

~~Life~~

Opm Costs: Overhead: \$1400.00

ALLEY #2 WELL

SE-SW, 8-17S-24W, NESS CO., KS

COMP.: 10/29/62

OH COMP.: 4451-61 (4446-56 G.L.)

PREPARED BY

DATE

REVIEWED BY

WP NO.

DATE	1 LENGTH OF STROKE	2 STROKES PER MIN.	3 TIME BET. SHOTS	4 1ST SHOT (FT.-TO-FLUID)	5 2ND SHOT (FT.-TO-FLUID)	6 FILL-UP	7 FT. FLUID ABV. PERFS	8	9	10 BFPD	11 OIL CUT	12 BOPD
4-17-98	76'	13	240"	3224	2077	1147	1222			8/97: 432.11 1/98: 345.46	1.03 .60	4.43 2.06

TILLEY #2
C SE/4 SW/4 Sec. 8-17S-24W
Ness County, Kansas

COMPLETION RECORD

10-21-62	5 1/2" casing @ 4451 with 100 sx. cement.
10-24-62	MICT Bill Hay Drilling Co. <i>4461 TD R.</i>
10-25-62	Drilled shoe 7:45 P.M.
10-26-62	1747' oil in hole/12 hrs. RU to swab Swab 3.7 BOPH - 6 hrs. Swabbing off bottom.
10-27-62	Hole filled 1677' w/ oil overnight, no wtr. Acidized w/ 1000 gal (BJ Chemical Co. inhibited with anti swelling and emulsion control agent = "J" acid) Max. press 1300' at rate of about 5/bbl per min. Pressure dropped 1050# in 5/min. Min. pressure 450#. End at noon. Swabbed 21 BOPH in 2 hrs. Swabbing 1900' OB.
10-28-62	Hole filled 3830' w/ oil (fluid 630' from top) Ran bailer to bottom and recovered 8 bailers water or 4 bbls. water (acid wtr?)
11-16-62	State Test - 149 BOPD + 4% water 11 SPM, 52" strokes
6-26-63	Reacidize. Put 150# salt in hole. Acid 1000 gal. BJ. Load hole with oil - total load including acid = 112 bbls. Hole would not load - 87 bbls. capacity. Took acid on vacuum immediately. Rods and tubing in hole. Put on pump 11:00 a.m.

CLARK T. SNIDER

Geological Engineer

~~Wichita, Kansas 67202~~
Wichita, Kansas 67202

Residence Phone 682-3586
Office Phone 264-9830

WALTERS DRILLING CO. ET AL
No. 2 Tilley
Se Sw Sec. 8-17S-24W
Ness County, Kansas

REMEDIAL WORK

To Comingle Ft. Scott Oil with the Mississippian Production

T. D. 4461' Kb
5 $\frac{1}{2}$ " @ 4451' KB
Shoe jt. 22.38'
Mississippian 4442 $\frac{1}{2}$ ' KB
Ft. Scott 4343' KB
"Pay" 4345 to 4347' KB

Feb. 16, 1976 - Tubing, rods and pump out of hole. Moved in Hembree Well Service unit.

Great Guns rigged up Gamma Ray-Collar Locator tool.

Ran to bottom found TD 4463, shoe jt collar 4432 $\frac{1}{2}$,
Top Ft. Scott 4346'. Corrected log depth to give
TD. 4460', 5 $\frac{1}{2}$ " @ 4452, shoe collar 4430', Ft. Scott
@ 4342'.

Set perforating gun depths to collar depths.

PERFORATED 8 DP charges from 4344 to 4346' (4/ft.)

Fluid level in hole @ 1500' from surface.

Ran straddle packers (12' between packers) Sander's Tools
on 2 7/8" tubing.

Set PACKERS @ 4351 and 4339'

Rigged up tubing swab; swabbed fluid to tank —
swabbed down and dry @ 4 pm. Let stand 30 minutes
no fluid recovered. Closed well in for night.

Feb. 17, - Found pressure on tubing— too small to measure. Ran swab
found about 500' oil and water; swab to tank; swab-
bed tubing dry.

ACIDIZED 2000 gals. HCl 15% non-emulsifying acid (Service
Acid) down tubing. Let acid stand on perforations
5 minutes; applied pressure to 500 psig when fluid
commenced to feed; Treated $\frac{1}{2}$ of fluid @ 2 bbl./min
with 200 to 300 psig pressure; then last $\frac{1}{2}$ of fluid
@ 3 bbl./min. with 100 to 200 psig pressure; no over-
flush, fluid on vacuum in 4 min. after treatment.
Let stand one hour.

FEB 23 1976

Feb. 17, 1976 - Continued

Swabbed acid and water load to tank. When water load recovered oil commenced to be recovered. Swab pull every 15 minutes, recovering about $2\frac{1}{2}$ bbls. - all oil @ 1:40 pm. Swab Test:

1:40 pm to 2:40 pm - 11.69 bbls. w/trace of water

2:40 pm to 3:40 pm - 7.50 " , no water

3:40 pm to 4:40 pm - 2.9 " , no water

Lacked 25 bbls. of acid load fluid @ 4:40 pm.

The swab test indicates that the formation pressure had been depleted considerably and further swab testing was not warranted, especially since it was to be comingled with the Mississippian - if its productivity was low, as indicated.

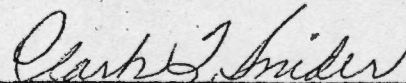
It was recommended to put well back to previous pumping hook-up operations, after fluid level is measured the next morning.

Closed well in for night and turned well over to Zimmerman, production department.

Feb. 18,

- Found fluid level @ 939' off bottom = 5.87 bbls. in 16 hrs.
Bottom hole pressure of 338 psi @ 40° oil.

February 21, 1976


CLARK T. SNIDER

WALT REPORT OF WEDNESDAY, FEB. 18, 1976

TILLEY #2

Ran swab down and hit fluid at 3400'. Top packer is set at 4339'. Fluid fill up from there would be 939'. From top perforation we made of 4344' would be 944'. Had very small blow when we opened the tubing this morning. Will let swab down, release packer, come out of hole with tubing. Will rerun well and hang well on today. Probably won't get it completely finished today. Having the repaired tubing pump and 4 new rods brought out from Sooners. (Walt twisted his back again yesterday helping tighten heavy tubing head. Went to Dr. last night and is stiff and sore this morning and will only supervise).

SIMONSON

Well went down yesterday. Making all water. Pumper says the last 3 or 4 days has had 125# pressure on it. When Walt gets through with Tilley #2 plans to take our trailer pump out and pressure up to see if we have tubing leak or it is just the pump.

UMMEL Production each day since we released the gas on the 5th of Feb.

Feb. 9	7.95 BO
Feb. 10	6.21
Feb. 11	5.52
12	2.76
13	2.76
14	6.90
15	4.14
16	4.0
17	4.0

In Burdett area all day and is pretty hard to reach me by phone unless I go over by the Dickman tank battery.

CLARK SNIDER WALT REPORT 5 p.m. Tues. Feb. 17, '76

SCHABEN #1: Clark T. staked location yesterday with white and blue towel. Best way to get rig in is east line of section at 1/2 mi. point and go west, pick up trail and go to location.

TILLEY #2: This morning had little pressure on tubing. Filled up 500' oil and water ON in 15 hrs. Swabbed dry. Acidized w/2000 gal. HCL 15% non-emulsifying acid. MP 500#. First 1/2 of treatment pumped in 2 BPM. Pressures 200 - 300#. Last half pumped in 3BPM. Pressures 100 - 200#. Went on vacuum in 4 min. No overflush of fluid. Let stand 1 hr and started getting load water and acid back. Water load back at 1:40 p.m. Come on oil then.

Swabbed 1:40 to 2:40 pm - 11.69 bbls. of mostly oil. Swabbed 2:40 to 3:40 pm - 7 1/2 BO (little trace of water). Swabbed 3:40 to 4:40 PM - 2.9 BO (dropped way down). While swabbing last hr. very little fill up. No free gas. Lack about 25 bbl. of load water and acid yet getting all back. No good BHPressure.

Plan to pull tubing, packers, rerun well tomorrow morning and POP. Walt will get static fluid level in the morning. Snider to stay overnite in motel, have breakfast with Walt and then head for home. Will call office for overnite fillup when he gets to Wichita. Walt can handle from here on.

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17	4.0

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WALT REPORT OF FRI. SAT. MON, FEB. 20, 21 & 23, '76

LATE P.M. FRIDAY THE 20th

SIMONSON: Tubing out of hole. Couldn't see any leak. Had one washed out place. Pump O.K. Plan to pressure test tubing Sat.

SAT. 21:

Simonson Blizzard. Canceled tubing testing.

TILLEY #2 Barrel Test: 13 SPM 76" Stroke
1/2" x 2 1/4" Tubing pump. Barrel full 3min. 20 sec.+
2.96 B0 419.04 BW (97% water) 432 BTF. Pumping
smoothly, not pounding fluid.

SUNDAY, FEB. 23rd

Terrible blizzard Saturday. Most all wells down with huge drifts. Walt made it to Zugg area Sat. about 3 p.m. and got the Zugg wells going again.

Less City area wells of Dickman, Humphrey, Tilley, more are down from blizzard. One pole down from blizzard but will be NEA responsibility to replace. Plan to leave Ummel and Litchfield down. So expensive to get cat in for roads and haul SW out on muddy roads, is not economical. Will just wait for nice weather.

WED, GRIFFITH SIMONSON, IRVIN AND RYAN

Ave cat from Baize coming at noon to dig into the ditches and open the roads.

WED

Choke valve went bad on SW tank. Pumper had to shut well down. Will try to get someone to fix today. If not, will have to wait until Walt can get down to fix it.

WALT REPORT (SECOND) of Thursday, Feb. 19, 1976

TILLEY #2

Took a barrel test this morning. 450 BTF with light film of oil. 3 min. 15 sec. to fill barrel. Running 13 SPM 76" Stroke with 2 1/2" x 2 1/4" Tubing Pump. Water looks real black like the Litchfield did. Lots of iron sulphate. Gordon Lab called and can't get to site to test until Fri. morning but Walt feels sure we have lot of iron sulphate from acid job and will need diesel fuel and flo-master treatment.

RYAN #2

Barrel test 145 BTF 6 B0 (Taken the 17th of Feb.)
139 BW 96% water. This oil recovery is a little better since acid job. Was down to 4 BOPD. Will take a few days to pump water off.

WALT AND CLARK SNIDER REPORT OF MONDAY, FEB. 16,
1976

Walt report: Ryan: Had trouble Saturday. Heater has hole in firetube. Emptied it for repair however left everything running because of so much water. If we get bad oil will just treat. Heater is to be picked up today (Mon.) and taken to Eddie Stremel for repair. Walt will get estimate before repairs are made.

SNIDER REPORT ON TILLEY #2

Ran Great Guns Log. G.G. TD (log) showed 4463'. Our drilling depth showed 4461'. Corrected log back to drilling depth. Ft. Scott is 4342' by log. 5½" Casing 4452'. Perforated 8 penetrating charges from 4344' to 4346'. Ran straddle packer on 2 7/8" tubing. Bottom packer seated at 4351'. Top packer seated at 4339'. At 4 p.m. tubing is swabbed down and no fluid coming in hole after perfs. Will swab down again at 4:30 p.m. and SDON.

Tomorrow morning will see how much fluid in the tubing and will do the acid job with 2000 gal. 15% non emulsifying acid. (Service Acid). Will call in the morning after acid job.