

FORM MUST BE TYPED

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

API NO. 15- 141-203440000 plugged 10/22/98

County Osborne
100' W of NE-NE-SE Sec. 6 Twp. 10S Rge. 12 X W

Operator: License # 3345

2310 Feet from S (circle one) Line of Section
430 Feet from E (circle one) Line of Section

Name: Leroy E. Tobias

Address 19180 Mellard Rd.

Footages Calculated from Nearest Outside Section Corner:
NE, (SE), NW or SW (circle one)

City/State/Zip Bunker Hill, KS 67626

Lease Name Steinle-Yarnell Well # 3 Twin

Purchaser: _____

Field Name Un-named

Operator Contact Person: Leroy E. Tobias

Producing Formation NONE

Phone (785) 483-4565

Elevation: Ground 1780 KB 1785

Contractor: Name: Vonfeldt Drilling, Inc.

Total Depth 3100' PBTD _____

License: 9431

Amount of Surface Pipe Set and Cemented at 207' Feet

Wellsite Geologist: Dave Shumaker

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion

If yes, show depth set _____ Feet

X New Well _____ Re-Entry _____ Workover _____

If Alternate II completion, cement circulated from _____

_____ Oil _____ SWD _____ S10W _____ Temp. Abd.

feet depth to _____ w/ _____ sx cmt.

X Gas _____ ENHR _____ SIGW

Drilling Fluid Management Plan PAH, 11-24-98 use

X Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

(Data must be collected from the Reserve Pit)

If Workover:

Chloride content 20,000 ppm Fluid volume 300 bbls

Operator: _____

Dewatering method used Allow to dry

Well Name: _____

Location of fluid disposal if hauled offsite: _____

Comp. Date _____ Old Total Depth _____

Operator Name _____

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

Lease Name _____ License No. _____

_____ Plug Back _____ PBTD

_____ Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

_____ Commingled _____ Docket No. _____

County _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

10-16-98 10-21-98 10-22-98
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Leroy E. Tobias
Title Owner/Operator Date _____

Subscribed and sworn to before me this 6th day of November, 19 98.

Notary Public Cheryl M. Payne

Date Commission Expires August 30, 1999

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C _____ Wireline Log Received
C X Geologist Report Received
Distribution
X KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other (Specify)



SIDE TWO

Operator Name Leroy E. Tobias Lease Name Steinle-Yarnell Well # #3 Twin

Sec. 6 Twp. 10S Rge. 12 East West
County Osborne

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
(Attach Additional Sheets.)
See Attached for Drill Stem Tests
Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)
List All E.Logs Run:

Name	Top	Datum
Anhydrite	898	+887
Base Anhydrite	933	+852
Topeka	2754	-969
Heebner	2986	-1201
Toronto	3009	-1224
Lansing-Kansas City	3043	-1258
"C" Zone Porosity	3090	-1305
Rotary Total Depth	3100	-1315

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface		8 5/8"	20#	207'	Common	150	60/40 Poz.

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>NA</u>				

Disposition of Gas: **METHOD OF COMPLETION** Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval _____

DRILL STEM TESTS

Drill Stem Test No. 1 3019-3056 LKC "A" Zone

Time Interval: 30-30-30-30

Blow: 1st Open - Weak blow for 5 min.
2nd Open - no blow

Recovery: 1 foot of slightly oil specked mud

Pressures:

IHMP: 1476#	IFP: 22# - 22#
ISIP: 33#	FFP: 22# - 22#
FSIP: 22#	BHT: 94 F
FHMP: 1454#	

Mud Properties:

Viscosity: 48 Weight: 9.0 Water loss: 8.0 cc.

15-141-20344-00-00

ORIGINAL

Drill Stem Test No. 2 3053-3085 LKC "B" Zone

Time Interval: 30-60-30-60

Blow: 1st Open - surface blow building 1/8"
2nd Open - weak surface blow - died in 30 sec.

Recovery: 10 feet of mud with oil specks

Pressures:

IHMP: 1562#	IFP: 22# - 22#
ISIP: 1153#	FFP: 33# - 33#
FSIP: 1121#	BHT: N.A.
FHMP: 1509#	

Mud Properties:

Viscosity: 44 Weight: 9.0 Water loss: 9.2

Drill Stem Test No. 3 3082-3100 KLC "C" Zone

Time Interval: 30-60-30-60

Blow: 1st Open - 1/2" building to 2 1/2"
2nd Open - Surface blow building to 1 1/2"

Recovery: 60 feet of oil specked muddy water
85% water 15% mud trace of oil

Pressures:

IHMP: 1519#	IFP: 33# - 33#
ISIP: 1121#	FFP: 33# - 44#
FSIP: 1050#	BHT: 95 F
FHMP: 1498#	

Mud Properties:

Viscosity: 46 Weight: 9.2 Water loss: 8.8

RECEIVED
15-141-20344-00-00

DRILLERS WELL LOG

Date Commenced: October 16, 1998
Date Completed: October 22, 1998

Leroy E. Tobias
Steinle-Yarnell #3 Twin
100' W of NE NE SE
Sec. 6-10S-12W
Osborne County, Kansas

ORIGINAL

ELEVATION: 1780' G.L.
1785' K.B.

- 0 - 213' Shale & Rock
- 213 - 544' Shale
- 544 - 898' Shale & Sand
- 898 - 933' Anhydrite
- 933 - 1110' Shale & RedBed
- 1110 - 1785' Shale & Lime
- 1785 - 2865' Lime & Shale
- 2865 - 3100' Shale & Lime
- 3100' RTD

15-141-20344-00-00

FORMATION DATA

Anhydrite	898'
Base Anhydrite	933'

Surface Pipe: Set 20#, used, 8 5/8" casing @ 207' with 150 sacks 60/40 Poz., 3% CC, 2% Gel.

AFFIDAVIT

STATE OF KANSAS)
)
) ss:
COUNTY OF RUSSELL)

15-141-20344-00-00

Alan Vonfeldt of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Alan Vonfeldt
Alan Vonfeldt

Subscribed and sworn to before me this 23rd day of October, 1998.

My Commission Expires:
August 30, 1999

Cheryl M. Payne
Cheryl M. Payne, Notary Public



ALLIED CEMENTING CO., INC. 2872

15-141-20344-00-00

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Russell

DATE <u>10/21/78</u>	SEC. <u>10</u>	TWP. <u>10S</u>	RANGE <u>12W</u>	CALLED OUT <u>9:00 p.m.</u>	ON LOCATION <u>10:45 p.m.</u>	JOB START <u>11:15 p.m.</u>	JOB FINISH <u>1:10 A.M.</u>
LEASE <u>Stimp Russell</u>	WELL# <u>3</u>	LOCATION <u>Lacey Ln. 1/4 W. S1/4</u>			COUNTY <u>Osborne</u>	STATE <u>KS.</u>	

OLD OR NEW (Circle one)

CONTRACTOR Vonfeldt Rig 1

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D. 3100

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED 200 60/40 6% Gel
1/4" FLO

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____

TOTAL _____

EQUIPMENT

PUMP TRUCK CEMENTER Paul

315 HELPER Mark

BULK TRUCK _____

282 DRIVER Paul

BULK TRUCK _____

_____ DRIVER _____

REMARKS:

25 SX @ 915'

100 SX @ 1030'

40 SX @ 257'

10 SX @ 40'

15 SX Rat hole

10 SX Mouse hole

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 1-8 3/4" wooden @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Lacey E. Tobias

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAY

SIGNATURE Bill Owen

Bill Owen
PRINTED NAME

ALLIED CEMENTING CO., INC. 2921

15-141-20344-00-00

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: K

ORIGINAL

DATE <u>17-98</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>10:50 pm</u>	JOB START	JOB FINISH <u>2:15 p.</u>
LEASE <u>11</u>	WELL # <u>B</u>		LOCATION <u>Shawnee 6 1/2 N 4 W</u>		COUNTY <u>Osborne</u>	STATE <u>Mo</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Wenfeldt

TYPE OF JOB Surface

HOLE SIZE 12 3/4 T.D. 210

CASING SIZE 8 1/8 DEPTH 210 20'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 10 15'

PERFS.

DISPLACEMENT 12 3/4

OWNER _____

CEMENT

AMOUNT ORDERED 150 60/40 39.00
29.00 gal

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Mac

345 HELPER Will

BULK TRUCK

282 DRIVER Jason

BULK TRUCK

DRIVER

TOTAL _____

REMARKS:

Cement Cure ✓

Shawnee

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 8 7/8 wooden _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Lucy E. Selin

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Bill Owen

Bill Owen
PRINTED NAME

D

ORIGINAL

LEROY E. TOBIAS
19180 Mellard Rd.
Bunker Hill, Kansas 67626

15-141-20344-00-00

GEOLOGICAL REPORT

Steinle-Yarnell No. 3 (Twin)
100' West of NE-NE-SE
Section 6, Twp. 10 South,
Reg. 12 West
Osborne County, Kansas

October 23, 1998

RECEIVED
KANSAS COMPTON
10/23/98

Leroy E. Tobias
19180 Mellard Rd.
Bunker Hill, Kansas 67626

GEOLOGICAL REPORT: Steinle-Yarnell No. 3 (Twin)
100' W of NE-NE-SE
6-10S-12W
Osborne County, Kansas

CONTRACTOR: Vonfeldt Drilling Co. Rig No. 1
Russell, Kansas 67665

DRILLING COMMENCED: October 16, 1998

DRILLING COMPLETED: October 21, 1998

CASING RECORD: 8 5/8 set at 207' with 150 sx.

DRILLING TIME: 1' Intervals plotted and recorded from 2650' to
3100' R.T.D.

SAMPLES: 10' intervals from 2700' to 3100' R.T.D.

DRILL STEM TESTS: 3 by Trilobite Testing LLC
Hays, Kansas 67601

LOGS: No logs were run on the Steinle-Yarnell No. 3
(Twin)

ELEVATION: Kelly Bushing 1785'
Ground Level 1780'
Measurements from K.B.

15-141-20344-00-00
10/21/98
1785'

FORMATION TOPS
(Sample Tops)

<u>FORMATION</u>	<u>DEPTH</u>	<u>MINUS DATUM</u>
*Anhydrite	898	+887
*Base-Anhydrite	933	+852
Topeka	2754	-969
Heebner	2986	-1201
Toronto	3009	-1224
Lansing-Kansas City	3043	-1258
"C" Zone Porosity	3090	-1305
Rotary Total Depth	3100	-1315
*Drillers Tops		

Lithology: Zones of Interest

Lansing-Kansas City

A Zone

LS; Buff, very poor crystalline porosity with a trace of stain. No free oil or odor.

Tested by D.S.T. No. 1

B Zone

LS; White, fossil crystalline porosity with spotty stain. Slightly chalky. Slight show of free oil but no odor.

Tested by D.S.T. No. 2

3090-98

C Zone

LS; White, fair to poor oolitic porosity with some spotty stain. Slight show of free oil and fair odor.

Tested by D.S.T. No. 3

000 000 000
 1000 1000 1000
 1000 1000 1000
 1000 1000 1000
 1000 1000 1000

DRILL STEM TESTS

Drill Stem Test No. 1 3019-3056 LKC "A" Zone

Time Interval: 30-30-30-30

Blow: 1st Open - Weak blow for 5 min.
2nd Open - no blow

Recovery: 1 foot of slightly oil specked mud

Pressures:

IHMP: 1476# IFP: 22# - 22#
ISIP: 33# FFP: 22# - 22#
FSIP: 22# BHT: 94 F
FHMP: 1454#

Mud Properties:

Viscosity: 48 Weight: 9.0 Water loss: 8.0 cc.

Drill Stem Test No. 2 3053-3085 LKC "B" Zone

Time Interval: 30-60-30-60

Blow: 1st Open - surface blow building 1/8"
2nd Open - weak surface blow - died in 30 sec.

Recovery: 10 feet of mud with oil specks

Pressures:

IHMP: 1562# IFP: 22# -22#
ISIP: 1153# FFP: 33# - 33#
FSIP: 1121# BHT: N.A.
FHMP: 1509#

Mud Properties:

Viscosity: 44 Weight: 9.0 Water loss: 9.2

00 2 00 10 10 00
MSAS
00 2 00 10 10 00

DRILL STEM TESTS CON'T

Drill Stem Test No. 3 3082-3100 KLC "C" Zone

Time Interval: 30-60-30-60

Blow: 1st Open - 1/2" building to 2 1/2"
2nd Open -Surface blow building to 1 1/2"

Recovery: 60 feet of oil specked muddy water
85% water 15% mud trace of oil

Pressures:

IHMP: 1519#	IFP: 33# - 33#
ISIP: 1121#	FFP: 33# - 44#
FSIP: 1050#	BHT: 95 F
FHMP: 1498#	

Mud Properties:

Viscosity: 46 Weight: 9.2 Water loss: 8.8

RECEIVED
15-141-20344-00-00

REMARKS AND RECOMMENDATIONS

The following table compares the Steinle-Yarnell No. 1 with the Steinle-Yarnell No. 3 (Twin).

	Leroy E. Tobias	Tobias & Shields
	Steinle-Yarnell No. 3	Steinle-Yarnell NO. 1
	100'W of NE-NE-SE	NE-NE-SE
	6-10S-12W	6-10S-12W
Anhydrite	+887	+890
Heebner	-1201	-1198
Lansing-Kansas City	-1258	-1254
"C" Zone Porosity	-1305	-1302

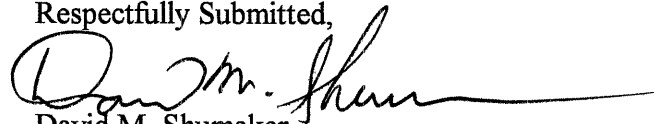
After reviewing the table above, you will note that the Steinle-Yarnell No. 3 (Twin) ran 3-4 feet low to the Steinle-Yarnell No. 1 located 100' east.

All zones of possible production were tested separately including the C Zone which recovered gas and oil 100' east. The A & B Zone tests both recovered very little in the way of fluid and only very small amounts of oil. The "C" Zone test recovered 60 feet of muddy water with a few oil specks.

Based on the structural position with respect to the well 100' east and the rest of the dry holes drilled close by, it is my recommendation that the Steinle-Yarnell No.3 (Twin) be completed as a dry hole. The negative drill stem tests also confirm this.

DMS/das

Respectfully Submitted,



David M. Shumaker
Petroleum Geologist

00 2 00 10 11 00
STEINLE-YARNELL SYSTEM
100' W OF NE-NE-SE
6-10S-12W