

ORIGINAL

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

Operator: License # 31514

Name: Thoroughbred Associates, LLC

Address 10 Colonial Court

City/State/Zip Wichita, Kansas 67207

Purchaser: **FARMLAND INDUSTRIES**

Operator Contact Person: Robert C. Patton

Phone (316) 685-1512

Contractor: Name: Shields Drilling Co., Inc.

License: 5184

Wellsite Geologist: Robert C. Patton

Designate Type of Completion

XX New Well Re-Entry Workover

XX Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

RELEASED

Operator: _____

Well Name: JAN 11 1998

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

10-14-96 10-19-96 11-11-96
Spud Date Date Reached TD Completion Date

API NO: 15- 147-205730000

County Phillips

C - NW - NW - SE Sec: 14 Twp. 02S Rge. 19W XX W

2310' Feet from S/N (circle one) Line of Section

2310 Feet from E/W (circle one) Line of Section

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

Lease Name Kats Well # 1

Field Name _____

Producing Formation LANSING

Elevation: Ground 2190' KB 2195'

Total Depth 3549' PBTD _____

Amount of Surface Pipe Set and Cemented at 210' KB _____ Feet

Multiple Stage Cementing Collar Used? yes _____

If yes, show depth set 1718' Feet

If Alternate II completion, cement circulated from 1718'

feet depth to 302' w/ 375 sx cmt.

Drilling Fluid Management Plan ALT 2 Per District 4 JK 8-6-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name KCC

Lease Name _____ License No. _____

DEC 10
Quarter Sec. Twp. S Rng. _____ E/W

County **CONFIDENTIAL** Docket No. _____

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 Robert C. Patton

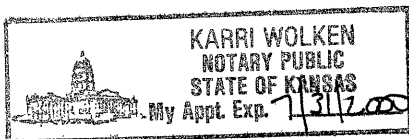
Title Managing Partner Date 12-10-96

Subscribed and sworn to before me this 10th day of December, 19 96.

Notary Public Karri Wolken

Date Commission Expires July 31, 2000

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/>	KCC	<input type="checkbox"/> SWD/Rep
<input type="checkbox"/>	KGS	<input type="checkbox"/> Plug
		<input type="checkbox"/> NGPA
		<input type="checkbox"/> Other (Specify)



SIDE TWO

Operator Name Thoroughbred Associates, LLC Lease Name Kats Well # #2

Sec. 14 Twp. 02S Rge. 19W East West
 County Phillips

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E.Logs Run:	RADIATION GUARD			

CASING RECORD <input type="checkbox"/> New <input 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	12-1/4"	8-5/8"	28#	210'	60-40 pozmix	150	2% gel, 3% CC
Production		5-1/2"	14.5#	3548'	ASC	150	10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	302-1718	60-40 pozmix	375	6% gel, w/ 1/4# flocele per sk
Ran Temperature Survey - approved by Marion Schmidt				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3476-3479, 3397-3399, 3381-3384, 3362-3365	250 gls mud acid; 750 gls NE	3476-3479
		250 gls MCA	3397-3399
		250 gls mud clean up acid	3381-3384
		spot acid	3362-3365

TUBING RECORD		Size <u>2-7/8"</u>	Set At <u>3542'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. <u>November 11, 1996</u>			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 <u>60</u> Bbls.	Gas <u> </u> Mcf	Water <u>15</u> Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled All Perf. Zones
 (If vented, submit ACO-18.) Other (Specify) _____

CONFIDENTIAL

ORIGINAL

OPERATOR: Thoroughbred Associates, LLC
LEASE NAME: Kats #1
LOCATION: C NW NW SE, Sec. 14-T02S-R19W
 Phillips County, Kansas
API#: 15-147-205730000

DST #1 (LKC "B" zone) 3280-3375. 30-45-45-60. Rec. 15' free oil, 36 gravity; 63' ocm, 10% oil. Fp 40-40/52-52#. SIP 857/836#.

SAMPLE TOPS

Heebner
 Lansing
 RTD
 LTD

3283'-1088
 3330'-1135
 3549'-1354
 3549'-1354

KCC
DEC 1 0
CONFIDENTIAL

RELEASED
JAN 1 1 1998
FROM CONFIDENTIAL

61 24 V 01 001 001
 198 DEC 13 4 12 19
 198 DEC 13 4 12 19

ALLIED CEMENTING CO., INC.

5654

15-147-20573-00-00

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: R

ORIGINAL

DATE <u>11-11-96</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>8:45 AM</u>	JOB FINISH <u>10:20 AM</u>
LEASE <u>Kota</u>	WELL # <u>1</u>	LOCATION <u>Phillipsburg 6W 6N 2W 2E</u>			COUNTY <u>Phillips</u>	STATE <u>Mo</u>	

OLD OR NEW (Circle one)

CONTRACTOR Pauls Well Service

TYPE OF JOB Pumping

HOLE SIZE _____ T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2" DEPTH 3000

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER **CONFIDENTIAL** **RELEASED**

CEMENT

JAN 11 1998

AMOUNT ORDERED _____

FROM CONFIDENTIAL

EQUIPMENT

PUMP TRUCK CEMENTER Mark

153 HELPER Paul

BULK TRUCK _____

_____ DRIVER _____

BULK TRUCK _____

_____ DRIVER _____

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

REMARKS:

SERVICE

Washed sand off Bridge Plug

- Circulated holes w/ oil

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____ 550.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 75 @ 2815 213.75

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL 763.75

CHARGE TO: Thompson Assoc.

STREET 10 Colonial Court

CITY Wichita STATE Kan ZIP 67207

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

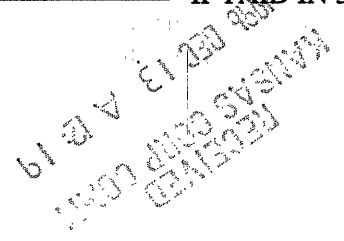
TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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.

SIGNATURE Dennis C. Schalk



ALLIED CEMENTING CO., INC.

5651

RELEASED 15-147-20513-00-00

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

JAN 11 1998

ORIGINAL

R

DATE 11-8-96	SEC.	TWP.	RANGE FROM CONFIDENTIAL	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 2:00 pm
LEASE <u>Kato</u>	WELL # 1	LOCATION <u>Phillipsburg 6 W 6 N 1/4 3/4</u>	COUNTY <u>Phillips</u>	STATE <u>Mo</u>			

OLD OR NEW (Circle one)

CONFIDENTIAL

CONTRACTOR Pauls Well Service OWNER _____

TYPE OF JOB Port Collar CEMENT

HOLE SIZE 7 7/8 T.D. _____

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE 2" DEPTH 1685

DRILL PIPE DEPTH _____

TOOL DEPTH 1685

PRES. MAX MINIMUM _____

MEAS. LINE SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

AMOUNT ORDERED 375 6 3/4 6% gel 1/16 foam

COMMON	225	@	6.10	1372.50
POZMIX	150	@	3.15	472.50
GEL	20	@	9.50	190.00
CHLORIDE		@		
<u>FloSeal</u>	<u>94</u>	@	<u>1.15</u>	<u>108.10</u>
		@		
		@		
		@		
		@		
HANDLING		@	<u>105</u>	<u>393.75</u>
MILEAGE	<u>75m</u>		<u>.04</u>	<u>1125.00</u>

TOTAL 3661.85

EQUIPMENT

PUMP TRUCK	CEMENTER	<u>Mark</u>
# <u>153</u>	HELPER	<u>Paul</u>
BULK TRUCK		
# <u>254</u>	DRIVER	<u>Jason</u>
BULK TRUCK		
#	DRIVER	

REMARKS:

Pressured B.P. to 1000 psi
opened port collar mixed 375 sy
had very little returns - cement did
not circulate

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>550.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>75</u>	@	<u>2.85</u> <u>213.75</u>
PLUG		@	
		@	
		@	

TOTAL 763.75

CHARGE TO: Thoroughbred Assoc
STREET 10 Colonial Court
CITY Wichita STATE Kan ZIP 67207

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.

SIGNATURE Dem [Signature]

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
KANSAS PORT CEMENT
MRS. DEC 13 4 12 19

Work Sheet

Called In: PM 11 7 96
Time Month Day Year

API# 15-147-20,573 0000

Mr. Robert Patton Spud Date: 10-14-96

Expiration Date: _____

Operator: Through bed Assoc. LLC KCC # 31514

Address: 10 Colonial Court, Wichita Phone # ()

Lease Name: Kate Well # 1

Location: NW-NW-SE County: Phillips

Sec: 14 Twp: 2 Rge: 19

10 1/2" 8 5/8" 210 S.P. CWC w/NA sx. cmt.

4 1/2" - 5 1/2" - 6" csg. set @ 3548 w/ 175 sx. cmt.

T.D. 3549 Elev. 2195 Anhy. No Dakota Base: 895 to 1193

D.V. Tool @ _____ Port Collar @ 1685 Perf. @ _____ Other _____

Total Amount of Cmt./Blend: 375 @ 60% Premix 6% Gel 1/4 lb lb -
cile per sack

Did Cmt circ? No Date: 11-8-96 Cement Company: allied Ticket 5651

Alternate II Completion: Rotary Rig Pulling Unit Backside

Remarks: allied ent @ 1685 ft pumped in 375 lb ent.
some circulation cement did not circulate.

Requested log.

11-9-96 E.L.1 Temp Log cmt Top @ 300 ft.

Surface Pipe @ 210" ent Top @ 300" } OK. might be
alt II coordinates

OK H. [Signature]
Dist Supervisor
11-13-96

Should the well be converted
to SWD or Inf. we asked that
the top be squeezed w/ cement

[Signature]
Witness (sign)