

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 03655
Name: Staab Energy & Leasing
Address 2514 Haney Drive

City/State/Zip Hays, Kansas 67601

Purchaser: _____
Operator Contact Person: Norman G. Staab

Phone (913)628-1326 or 913/628-1330

Contractor: Name: Drilling Company, Inc.
License: _____

Wellsite Geologist: _____

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGV
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

Spud Date 06/01/93 Date Reached TD 06/07/93 Completion Date 06/23/93

API No. 15- 065-22,708
County Graham
E/2 - NE - SW - Sec. 9 Twp. 10 Rng. 24 E W

1980 _____ Feet from (M) (circle one) Line of Section
2310 _____ Feet from (M) (circle one) Line of Section

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

Lease Name Anton Herman Well # 5

Field Name Bryan

Producing Formation Lansing KC

Elevation: Ground 2495 KB 2500

Total Depth 4100 PBDT 4074

Amount of Surface Pipe Set and Cemented at 225 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set 2175 Feet

If Alternate II completion, cement circulated from 225

feet depth to Surface w/ 60/40 3%CC 150 sx cmt.

Drilling Fluid Management Plan DLT2 2% Gel
(Data must be collected from the Reserve Pit) 7-18-93

Calcium 1440 ppm
Chloride content 22,000 ppm Fluid volume 320 bbls

Dewatering method used Air Dry Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 [Signature]
Title Owner Date July 4, 1993

Subscribed and sworn to before me this 4th day of July, 1993.

Notary Public Cacilie M. Staab

Date Commission Expires October 06, 1994



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

Operator Name Staab Energy & Leasing

Lease Name Anton Herman

Well # 5

Sec. 9 Top. 10 Rge. 24

East
 West

County Graham

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.)
Attached Samples Sent to Geological Survey Yes No
Cores Taken Yes No
Electric Log Run Yes No
(Submit Copy.)
Enclosed List All E.Logs Run:

Name	Top	Datum
Anhydrite	2146	+ 354
Base Anhydrite	2181	+ 319
Topeka	3590	-1090
Heebner	3804	-1304
Toronto	3827	-1327
Lansing	3838	-1338
Base Kansas City	4073	-1573
Rotary Total Depth	4100	-1600

Davis Great Guns Gamma Ray Neutron-Sonic Cement-Bond Log

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	12 1/4"	8-5/8"	20	225	60/40	150	2%Gel 3%CC
production	7-7/8"	5 1/2"	14	4164	ASC 60/40	160 225	6%Gel

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
16	16 Shots SCC'S Expendable		5,000 gal. Acid 15% HCl	4020-4028

TUBING RECORD		Size	Set At	Packer At	Liner Run			
		2-7/8"	3950'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or Inj.				Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
06/23/93								
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	25				0			

Disposition of Gas:
 Vented Sold Used on Lease
(If vented, submit ACD-18.)

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval
4020-4028

15-065-22708-00-00

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

NEW ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5519

Home Office P. O. Box 31

Russell, Kansas 67665

Date	6-1-93	Sec.	9	Fwp.	10	Range	24	Called Out	4:30 PM	On Location	7:15 PM	Job Start	7:45 PM	Finish
Lease	Anton Herman	Well No.	5	Location	4 E ST Peter			County	Graham	State	KS			

Contractor	Shields Drilling	
Type Job	Surface	
Hole Size	12 1/4	T.D.
Csg.	8 5/8	Depth
Tbg. Size		Depth
Drill Pipe		Depth
Tool		Depth
Cement Left in Csg.	15'	Shoe Joint
Press Max.		Minimum
Meas Line	Yes	Displace
Perf.		13.85 bbl

Owner	Staab Energy + Leasing	
To	Allied Cementing Co., Inc.	
Charge	Staab Energy + Leasing	
To	2514 Haney Dr.	
Street	City Hays State Kan 67601	
City	State Kan 67601	
The above was done to satisfaction and supervision of owner agent or contractor.		
Purchase Order No.	X	
Buston Beery		
CEMENT		
Amount Ordered	150 sks 60/40 3% cc 2% Gel	

EQUIPMENT

Hays	No.	Cementer	Dean Rundle
Pumptrk	277	Helper	
	No.	Cementer	
Pumptrk	279	Helper	Carl BATTIN
		Driver	Wayne
Bulktrk	282		
Bulktrk		Driver	

Consisting of			
Common	90	5.75	517.50
Poz. Mix	60	3.00	180.00
Gel.	3	2.00	N/A
Chloride	5	25.00	125.00
Quickset			

DEPTH of Job		
Reference:	Pump Trk chrg	430.00
	2 1/2 per mile 42m	94.50
	Surface Ply	42.00
	Sub Total	566.50
	Tax	
	Total	

Handling	100	150.00
Mileage	42m	04
		252.00
	Sub Total	1224.5
	Total	

Remarks: Ran 5 Joints 8 5/8
 Cement did circulate

Floating Equipment

Thank You

15-065-22708-00-00

Phone 913-483-2627, Russell, Kansas
 Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812
 Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5745

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-7-93	9	10	24	3:00 Pm	7:00 Pm	12:40 Am	1:30 Am
Lease <i>Anton Herman</i>		Well No. <i>5</i>	Location <i>45 E St Peter</i>		County <i>Graham</i>	State <i>Kn</i>	

Contractor <i>Shields Drilling, Inc.</i>	Owner
Type Job <i>Production Csg</i>	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 listed.
Hole Size <i>7 7/8</i>	T.D. <i>4100</i>
Csg. <i>5 1/2 #14</i>	Depth <i>4098</i>
Tbg. Size	Depth
Drill Pipe <i>4 1/2</i>	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint <i>21</i>
Press Max.	Minimum
Meas Line	Displace
Perf.	

Charge To <i>STAAb Energy & Leasing</i>
Street <i>2514 Haney Drive</i>
City <i>Hays</i> State <i>Ks 67601</i>
The above was done to satisfaction and supervision of owner agent or contractor.
Purchase Order No. <i>Burston Beery</i>
CEMENT
Amount Ordered <i>160 bbl ASC 500 gal mud sweep</i>
Consisting of
Common <i>160 SKS ASC</i> 250 1200.00
Poz. Mix
Gel.
Chloride
Quickset
<i>B mud sweep 500 gal</i> 120 500.00
Handing Sales Tax
Handing 1.00 160.00
Mileage <i>42m</i> .04 268.80
Sub Total 2128.80
Total

EQUIPMENT

No.	Cementer	Helper
<i>Pumptrk Hays</i>	<i>277</i>	<i>Blekken</i>
No.	Cementer	Helper
<i>Pumptrk 280</i>		<i>C BAHIN</i>
No.	Driver	
<i>Bulktrk 282</i>		<i>W. Mergly</i>
<i>Bulktrk 291</i>		<i>S Williams</i>

DEPTH of Job		Reference:
<i>1st Stage</i>	<i>pump charge</i>	<i>980.00</i>
	<i>2.25 p/m 420 mbls</i>	<i>94.50</i>
Sub Total		<i>1074.50</i>
Tax		
Total		

Remarks: *pipe set @ 4098 pump 500 gal mud sweep*
Content of 160 bbl ASC
pump plug w/ 467 bbls water below w/ 53 bbls
and Land plug at 1100 P.S.T
set did hold

Floating Equipment <i>5-1/2</i>	
<i>8 Centralizers "B"</i>	<i>448.00</i>
<i>1 BASKET "B"</i>	<i>127.00</i>
<i>1 P.V. ARROW</i>	<i>2500.00</i>
<i>1 INSERT "B"</i>	<i>189.00</i>
<i>1 Guide shoe "B"</i>	<i>125.00</i>
<i>3389.00</i>	

Thanks

15-065-22708-00-00

Phone 913-483-2627, Russell, Kansas
Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

ORIGINAL

ALLIED CEMENTING CO., INC.

5746

Home Office P. O. Box 31

Russell, Kansas 67665

New

6-8-93

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
6-7-93	9	10	24	2:00 PM	7:00 PM		3:00 AM
Lease Anton Herman	Well No. 5	Location 4 1/2 E St Peter			County Graham	State KS	

Contractor	Shields Oils
Type Job	Prod. Csg Top Stage
Hole Size	7 7/8
Csg.	5 1/2 D.V.
Tbg. Size	
Drill Pipe	4 1/2
Tool	
Cement Left in Csg.	
Press Max.	
Meas Line	
Perf.	

Owner	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 listed.
Charge To	Staeb Energy & Leasing
Street	2514 Haney Dr.
City	HAYS
State	Ks 67601
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	

EQUIPMENT

Hays No. 280	Cementer 277	B Leikem
Pumptrk	Helper	
Hays No. 291	Cementer	
Bulktrk	Helper	
Bulktrk	Driver	
Bulktrk	Driver	S Williams

CEMENT			
Amount Ordered	450 shw	50/50	6% gel to celloflake
Consisting of	Common	225	575
	Poz. Mix	225	3.00
	Gel.	16	2.00
	Chloride		
	Quickset		
	Celloflake	4 SKS.	27.50
	Sales Tax		
Handling		100	450.00
Mileage	42m	.04	756.00
	Sub Total		3396.70
	Total		

DEPTH of Job	
Reference:	525.00
nd stage pump charge	
Sub Total	525.00
Tax	
Total	

Remarks: D.V. tool @ 2175 ft. #60
PSE to open tool 1100
Amount of 450 shw 50/50 6% gel to cello
plus w/ 53 bbls of water
PSE cement did circulate

Floating Equipment
Burr R. Leikem
Kearni R. Ashbaugh
Burton Beery
15 SKS in Rathole
10 SKS in mousehole
Frank

15-065-22708-00-00.

ORIGINAL

GEOLOGICAL REPORT

NO. 5 ANTON HERMAN

RECEIVED
STATE COOPERATION COMMISSION
7-7-1993
JUL -7 1993
CONSERVATION DIVISION
Wichita, Kansas

15-065-22708-00-00

OPERATOR: Staab Energy & Leasing

WELL: No. 5 Anton Herman
API #15-065-22708

LOCATION: E/2-NE-SW
1980' from the south line.
2970' from the east line.
Section 9-10S-24W
Graham County, Kansas

FIELD: Bryan

DRILLING CONTRACTOR: Shields Drilling Co., Rig No. 1

DRILLING COMMENCED: 06-01-93

DRILLING COMPLETED: 06-08-93

DRILLING TIME: One (1) foot drilling time was recorded
from 3500' to 4100' RTD.

SAMPLES: Samples were saved and examined from 3600'
to 4100' RTD.

ELEVATIONS: 2495' G.L. 2497' D.F. 2500' K.B.

MEASUREMENTS: All depths are measured from 2500' K.B.

CASING RECORD: 8 5/8" set @ 225' with 150 sacks.
5 1/2" set @ 4098' with 160 sacks.

FORMATION TESTING: One (1) test was run by Swift Testing.

MUD: Schmidtberger (Chemical)

OPEN HOLE LOGS: No logs were run.

PRODUCTION: Oil.

FORMATION TOPS:

<u>FORMATION</u>	<u>SAMPLE</u>	<u>DATUM</u>
ANHYDRITE	2146'	+ 354
BASE ANHYDRITE	2181'	+ 319
TOPEKA	3590'	-1090
HEEBNER	3804'	-1304
TORONTO	3827'	-1327
LANSING	3838'	-1338
BASE KANSAS CITY	4073'	-1573
ROTARY TOTAL DEPTH	4100'	-1600

SAMPLE DESCRIPTIONS AND TEST DATA:

LANSING-KANSAS CITY:

3840-3847	Limestone, white and cream, finely crystalline, oolitic, slightly oolitic with fair visible intercrystalline and interoolitic porosity, scattered staining and saturation, very slight show of free oil, no odor. (Tested water at a higher datum.)
3915-3924	Limestone, gray, cream and tan, finely crystalline, fossiliferous, oolitic, with fair interoolitic porosity, trace of staining, very slight show of free oil when broken.
3975-3980	Limestone, gray, tan and cream, dense, oolitic, chalky in part, with trace of scattered staining, rare free oil when broken, no odor.
3998-4004	Limestone, white and cream, very finely crystalline, oolitic in part, poor to fair visible porosity, chalky, scattered staining, slight show of free oil when broken, no odor.
4016-4021	Limestone, white and gray, very finely crystalline, fossiliferous in part, cherty, trace of scattered staining, no show of free oil, no odor.

LANSING-KANSAS CITY: (Cont.)

4036-4051 Limestone, white and cream, oolitic, with good visible interoolitic porosity, slightly oolitic, with very good dark staining and saturation, good show of free, gassy oil, light odor. (Covered by D.S.T. No. 1)

FORMATION TEST NO. 1

4021-4052

		I.H.P.	1989#
Weak blow building to fair	45 min.	I.F.P.	92#-101#
	45 min.	I.S.I.P.	320#
Weak blow building to fair	45 min.	F.F.P.	109#-126#
	45 min.	F.S.I.P.	294#
		F.H.P.	1970#


RECOVERY: 120' gas in pipe.
200' heavy oil cut mud.

TEMPERATURE: N/A

SUMMARY:

Based on samples and the results of D.S.T. No. 1, it was decided to run 5 1/2" production casing and complete through perforations.

Respectfully submitted,


Todd E. Morgenstern
Geologist

DRILLING TIMES:

3501-3510	3-3-3-4-4-4-4-3-4	3901-3910	3-4-3-3-3-3-4-4-5
3511-3520	4-4-3-3-3-3-2-3-3-2	3911-3920	4-5-5-4-4-4-3-3-5-4
3521-3530	4-3-2-3-4-3-4-5-4-3	3921-3930	3-3-2-2-3-2-3-3-4-4
3531-3540	4-4-3-4-4-5-2-3-3-3	3931-3940	4-4-4-4-3-3-2-2-2-2
3541-3550	2-1-2-2-1-2-2-4-5-5	3941-3950	1-2-2-2-2-3-2-2-4-4
3551-3560	4-5-5-4-4-4-2-3-3-4	3951-3960	2-2-4-4-4-4-4-4-4-4
3561-3570	3-3-6-5-4-5-4-4-1-2	3961-3970	5-4-4-4-5-4-5-5-3-3
3571-3580	2-3-2-2-2-2-2-2-2-2	3971-3980	2-5-4-4-5-3-2-4-3-3
3581-3590	3-5-4-5-4-4-4-4-4-4	3981-3990	4-4-4-5-4-4-4-5-5-4
3591-3600	5-4-3-3-4-5-4-5-5-6	3991-4000	5-4-4-5-5-5-6-6-4-3
3601-3610	4-5-6-4-5-5-6-4-6-5	4001-4010	3-4-5-6-5-3-4-4-3-5
3611-3620	2-3-3-3-5-4-5-4-4-5	4011-4020	4-5-5-6-6-6-5-4-3-5
3621-3630	2-2-4-2-3-3-2-1-2-2	4021-4030	5-5-5-3-2-3-3-4-5-5
3631-3640	3-5-5-6-5-5-3-4-4-4	4031-4040	5-5-5-6-7-4-4-4-4-3
3641-3650	4-3-1-2-1-2-1-2-2-4	4041-4050	3-2-2-3-3-2-2-3-2-2
3651-3660	3-1-2-2-2-3-4-3-4-2	4051-4060	3-5-4-5-5-5-4-3-4-3
3661-3670	3-5-5-4-4-4-5-3-2-1	4061-4070	4-2-3-3-4-5-4-4-5-5
3671-3680	2-1-2-2-1-2-1-2-2-1	4071-4080	6-6-6-7-7-6-6-6-6-5
3681-3690	2-1-2-1-2-3-6-4-5-5	4081-4090	5-5-3-4-3-2-3-3-3-2
3691-3700	5-3-3-4-4-4-3-4-3-4	4091-4100	3-3-3-3-4-4-5-4-5-5-RTD
3701-3710	4-3-3-2-3-4-4-5-5-5		
3711-3720	5-3-2-2-1-1-2-2-1-2		
3721-3730	3-2-2-3-2-2-5-5-6-5		
3731-3740	5-6-5-5-4-4-5-4-4-6		
3741-3750	5-5-5-6-6-4-3-6-4-6		
3751-3760	5-4-3-2-2-1-2-1-2-3		
3761-3770	2-2-2-1-3-5-5-3-4-3		
3771-3780	3-3-2-1-1-1-1-1-4-3		
3781-3790	2-2-2-2-4-2-2-3-2-3		
3791-3800	2-3-2-3-3-3-2-3-3-3		
3801-3810	2-3-2-4-3-3-2-4-5-4		
3811-3820	5-4-4-4-5-4-5-5-5-6		
3821-3830	5-5-4-6-5-5-5-3-3-3		
3831-3840	2-3-4-4-4-5-3-4-5-4		
3841-3850	3-3-3-4-3-3-4-3-4-3		
3851-3860	4-3-4-4-4-4-4-3-2-4		
3861-3870	4-4-5-5-4-4-5-4-5-4		
3871-3880	3-3-4-3-4-2-3-5-3-4		
3881-3890	4-3-4-4-4-5-4-4-4-4		
3891-3900	5-4-4-5-4-4-4-3-3-3		

15-065-22708-00-00

SWIFT FORMATION TESTERS

1309 VAN FLEET PHONE 793-5177
GREAT BEND, KANSAS

Date June 7, 1993 Test No. 1

Company Staab Energy & Leasing

Test Ticket No. 5788 County Graham Lease Herman Well 5

Initial Shut-In - Hr. 45 Min. Tool Open - Hr. 45 Min. Final Shut-In - Hr. 45 Min.

Interval Tested 4021 to 4052 Total Depth 4052

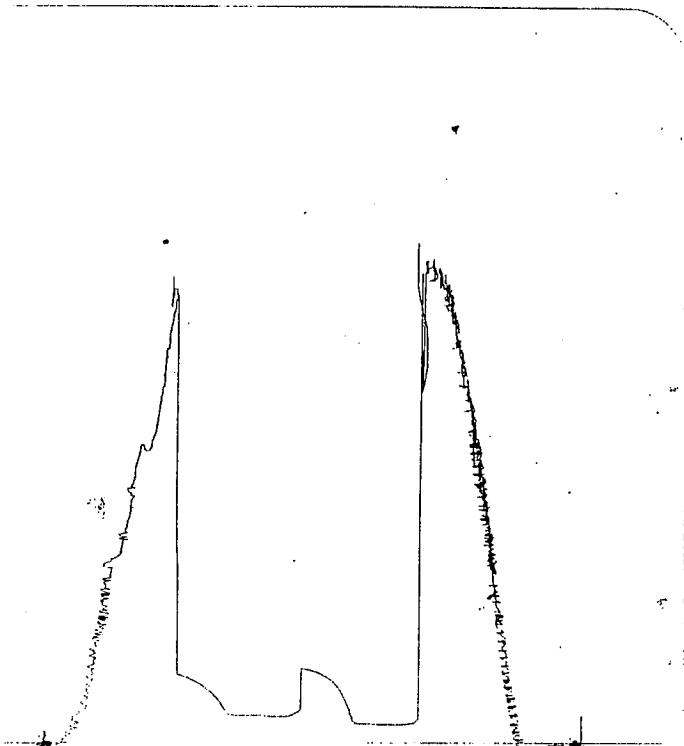
Blow: Weak slowly increasing to fairly good 45 Minutes Initial Flow Period

Recovery and Remarks: 190' Gassy oil cut mud
120' Gas above fluid

Initial BHP: 320# Final BHP: 294# Initial FP: 92-101# Final FP: 109-126#

Tester Nelson Call Approved By: Burton Berry

15111



TK# 5788

RECEIVED
 STATE CORPORATION COMMISSION
 7-7-1993
 JUL - 7 1993
 CORPORATION DIVISION
 Wichita, Kansas