

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 5123
Name: Pickrell Drilling Co. Inc.
Address: 100 S. Main, Suite 505
City/State/Zip: Wichita, Kansas 67202-3738
Purchaser: NCRA
Operator Contact Person: Larry J. Richardson

Phone: (316) 262-8427
Contractor: Name: Company Tools
License: 5123
Wellsite Geologist: Ken. LeBlanc

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)
If Workover/Re-entry: Old Well Info as follows:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

4-09-03 4-18-03 5-17-03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-135-24,217-0560
County: Ness
SW SE SE Sec. 25 Twp. 16 S. R. 26 East West
330' feet from (S) / N (circle one) Line of Section
990' feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Babcock "G" Well #: 4
Field Name: Arnold SW
Producing Formation: Mississippian

Elevation: Ground: 2602 Kelly Bushing: 2607
Total Depth: 4513 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 313' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 1966' Feet
If Alternate II completion, cement circulated from 313' 1966'
feet depth to surface w/ 180 450 sx cmt.

Drilling Fluid Management Plan see 11 on 5-27-03
(Data must be collected from the Reserve Pit)

Chloride content 2500 ppm Fluid volume 400 bbls
Dewatering method used _____

Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

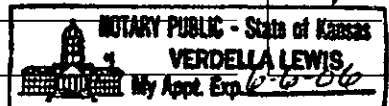
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: C.W. Sebitts
Title: C.W. Sebitts - President Date: 5-20-03

Subscribed and sworn to before me this 20th day of May

2003
Notary Public: Verdella Lewis
Date Commission Expires: 6-06-06



KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
UIC Distribution

Operator Name: Pickrell Drilling Co. Inc. Lease Name: Babcock "G" Well #: 4
 Sec. 25 Twp. 16S S. R. 26 East West County: Ness County

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Radiation Guard Compensated Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Heebner</td> <td>3864(-1257)</td> <td></td> </tr> <tr> <td>Lansing</td> <td>3903(-1296)</td> <td></td> </tr> <tr> <td>Stark</td> <td>4148(-1541)</td> <td></td> </tr> <tr> <td>Pawnee</td> <td>4331(-1724)</td> <td></td> </tr> <tr> <td>Fort-Scott</td> <td>4404(-1791)</td> <td></td> </tr> <tr> <td>Cherokee Shale</td> <td>4429(-1822)</td> <td></td> </tr> <tr> <td>Mississippi</td> <td>4487(-1880)</td> <td></td> </tr> <tr> <td>Miss dolo</td> <td>4491(-1884)</td> <td></td> </tr> </tbody> </table>	Name	Top	Datum	Heebner	3864(-1257)		Lansing	3903(-1296)		Stark	4148(-1541)		Pawnee	4331(-1724)		Fort-Scott	4404(-1791)		Cherokee Shale	4429(-1822)		Mississippi	4487(-1880)		Miss dolo	4491(-1884)	
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CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface Casing	12 1/4"	8 5/8"	23#	313'KB	70/30poz	180sx	2%gel, 3%CC
Production Csg.	7 7/8"	4 1/2"	10.5#	4505'	60-40 poz	125sx	3/41% CD-31
followed by					common	75sx	10%salt&CD-31

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	Cmt thru Stage Col.	65-35 poz	435sx	6% gel w/1/4#FS/sx

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
	Open Hole 4505-4513	A-1000 gal. 15%	4505-4513

TUBING RECORD	Size 2 3/8	Set At 4502	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 5-17-03		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls. 61	Gas Mcf Nil	Water Bbls. 2	Gas-Oil Ratio 35.8

Disposition of Gas Vented Sold Used on Lease *(If vented, Sumit ACO-18.)*

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

Production Interval 4505-4513'

ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

15414
ORIGINAL

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

H. Bend

4-18-03	SEC. 25	TWP. 16	RANGE 26	CALLED OUT	ON LOCATION	JOB START 10:30 PM.	JOB FINISH 11:30 PM.
WELL # G-4		LOCATION <u>Other 2E, 1S, 1/4W, N/5</u>			COUNTY <u>Wen</u>	STATE <u>Ks</u>	

CONTRACTOR Pickrell

TYPE OF JOB Two Stage (Top)

HOLE SIZE 7 7/8" T.D. 4514'

CASING SIZE 4 1/2" DEPTH 4505'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL Stage Collar DEPTH 1966'

PRES. MAX 2000# MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 32 1/2 bbls

OWNER Same

CEMENT

AMOUNT ORDERED 450 sacks 65/35 690 Ad.

1/4" flared/sh.

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
<u>HO-Sen 112#</u>	@	<u>1.40</u>	<u>156.80</u>
<u>Revised Lita rate 450#</u>	@	<u>6.70</u>	<u>3015.00</u>
HANDLING	@		
MILEAGE	@		
<u>477 Ad</u>	@	<u>1.15</u>	<u>548.55</u>
<u>477 Ad 25</u>	@	<u>27</u>	<u>643.95</u>

EQUIPMENT

PUMP TRUCK CEMENTER Tom D

181 HELPER Bob D

BULK TRUCK DRIVER Jack W

344-112

BULK TRUCK DRIVER

TOP STAGE CEMENT

TOTAL 4364.30

REMARKS:

Stage Collar @ 1966' Drugged Band.

Opened Stage Collar. Established

Circulation. Mixed 450 sacks 65/35 690

Ad. 1/4" flared/sh. Released Plug.

Displaced with fresh H₂O. Landed

Plug @ 2000# & closed Stage Collar.

Released & Held.

Cement did circulate - (10 bbls) ✓

SERVICE

DEPTH OF JOB <u>1966'</u>		
PUMP TRUCK CHARGE		<u>650.00</u>
EXTRA FOOTAGE	@	
MILEAGE	@	<u>NC</u>
PLUG	@	
	@	
	@	

TOTAL 650.00

CHARGE TO: Pickrell

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

Shanks

ALLIED CEMENTING CO., INC.

Federal Tax I.D.# 48-0727860

15413

ORIGINAL

SERVICE POINT:

Ht Bend

P.O. BOX 31
RUSSELL, KANSAS 67665

DATE <u>4-18-03</u>	SEC. <u>25</u>	TWP. <u>16</u>	RANGE <u>26</u>	CALLED OUT <u>12:00 PM</u>	ON LOCATION <u>5:00 PM</u>	JOB START <u>9:00 PM</u>	JOB FINISH <u>10:15 PM</u>
LEASE <u>Babcock</u>		WELL # <u>G-4</u>	LOCATION <u>Union 2E, 1S, 1/4 W, N/S</u>		COUNTY <u>Don</u>	STATE <u>Ka</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Pickrell
 TYPE OF JOB Two Stage Bottom
 HOLE SIZE 7 3/8" T.D. 4514'
 CASING SIZE 4 1/2" 102" DEPTH 4505'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL Stage Collar DEPTH 1966'
 PRES. MAX 1000# MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 27.58
 CEMENT LEFT IN CSG. 27.58
 PERFS. _____
 DISPLACEMENT 4 1/4 H₂O - 30 Mud - 2 1/4 H₂O

OWNER Same
 CEMENT
 AMOUNT ORDERED 125 lbs 60/40 3/4 of 120 CD-31
25 lbs common 102 salt 3/4 of 120 CD-31
500 gal ASF,

COMMON	<u>150 gal</u>	@	<u>7.15</u>	<u>1072.50</u>
POZMIX	<u>50 gal</u>	@	<u>3.80</u>	<u>190.00</u>
GEL	<u>2 gal</u>	@	<u>10.00</u>	<u>20.00</u>
CHLORIDE		@		
CD-31	<u>127 #</u>	@	<u>5.50</u>	<u>698.50</u>
ASFUSH	<u>500 gal</u>	@	<u>1.00</u>	<u>500.00</u>
SALT	<u>330 #</u>	@	<u>.17</u>	<u>56.10</u>

EQUIPMENT

PUMP TRUCK # <u>181</u>	CEMENTER <u>Tom D</u>
	HELPER <u>Bob B</u>
BULK TRUCK # <u>342</u>	DRIVER <u>Jayson D</u>
BULK TRUCK # <u>341</u>	DRIVER <u>Steve T</u>

HANDLING MILEAGE	<u>211 mi</u>	@	<u>1.15</u>	<u>242.65</u>
	<u>211 mi</u>	@	<u>05 27</u>	<u>284.85</u>

TOTAL 3064.60

REMARKS:

Ran 4505' of 4 1/2" csg. Broke circulation Pumped 500 gal ASF. Mixed 125 lbs 60/40 3/4 of 120 CD-31 - 25 lbs common 102 salt 3/4 of 120 CD-31. Washed up. Released plug. Displaced with 4 1/4 H₂O - 30 Mud - 2 1/4 H₂O. Landed plug at 1000#. Released and float HSB.

Bottom Stage Cement

SERVICE

DEPTH OF JOB	<u>4505'</u>			
PUMP TRUCK CHARGE				<u>12.6400</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>27</u>	@	<u>3.50</u>	<u>94.50</u>
PLUG		@		

TOTAL 1358.50

CHARGE TO: Pickrell
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

1-4 1/2" Spiderhoe	@	<u>125.00</u>	<u>125.00</u>
1-4 1/2" Affidavit	@	<u>210.00</u>	<u>210.00</u>
4-4 1/2" Centralizer	@	<u>45.00</u>	<u>180.00</u>
1-4 1/2" Borebit	@	<u>116.00</u>	<u>116.00</u>
1-4 1/2" Stage Collar	@	<u>300.00</u>	<u>300.00</u>

Frank

ALLIED CEMENTING CO., INC.

6147

Federal Tax I.D.# 48-0727860

ORIGINAL

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

SERVICE POINT:

Great Bend

DATE <u>4-9-03</u>	SEC. <u>25</u>	TWP. <u>16</u>	RANGE <u>26W</u>	CALLED OUT <u>4:00pm</u>	ON LOCATION <u>6:00pm</u>	JOB START <u>10:00</u>	JOB FINISH <u>10:30</u>
LEASE <u>Babcock</u>	WELL # <u>E #4</u>	LOCATION <u>Utiba - 2 East - 1 South</u>			COUNTY <u>Ness</u>	STATE <u>K.S.</u>	
OLD OR NEW (Circle one)			<u>1/2 west - north into</u>				

CONTRACTOR Pickrell
 TYPE OF JOB Surface pipe
 HOLE SIZE 12 7/8 T.D. 318
 CASING SIZE 8 5/8 DEPTH 318
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. approx. 15'
 PERFS. _____
 DISPLACEMENT 19 1/2 BBLs

OWNER Pickrell Drilling Co.
 CEMENT AMOUNT ORDERED 180 sy 20/30 342

COMMON	<u>1260ft</u>	@	<u>7.15</u>	<u>900.00</u>
POZMIX	<u>540ft</u>	@	<u>3.80</u>	<u>205.20</u>
GEL	<u>300</u>	@	<u>10.00</u>	<u>3000</u>
CHLORIDE	<u>600</u>	@	<u>30.00</u>	<u>18000</u>
		@		
		@		
		@		
		@		
HANDLING	<u>18000</u>	@	<u>1.15</u>	<u>20700</u>
MILEAGE	<u>18000</u>	@	<u>27</u>	<u>486.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Jack
 # 120 HELPER J. D.
 BULK TRUCK
 # 260 DRIVER BUR
 BULK TRUCK
 # _____ DRIVER _____

TOTAL 1788.60

REMARKS:

Run 713 of 8 5/8 csg-cement with 180 sy cement - Displace plug with 19 1/2 BBLs of fresh water. did circ ✓

SERVICE

DEPTH OF JOB	<u>318'</u>		
PUMP TRUCK CHARGE			<u>520.00</u>
EXTRA FOOTAGE	<u>18</u>	@	<u>.50</u> <u>9.00</u>
MILEAGE	<u>27</u>	@	<u>3.50</u> <u>94.50</u>
PLUG	<u>1-8 5/8 Wood</u>	@	<u>45.00</u> <u>45.00</u>
		@	
		@	

TOTAL 668.50

CHARGE TO: Pickrell Drilling Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or

TOTAL