

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 Company, Inc.
Address: 100 S. Main, Suite 505
City/State/Zip: Wichita, Kansas 67202-3738
Purchaser: N/A
Operator Contact Person: Bill C. Romig
Phone: (316) 262-8427
Contractor: Name: Company Tools
License: 5123
Wellsite Geologist: Kent Crisler
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abs.
 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 Enhz/SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhz.?) Docket No. _____
4-05-01 4-13-01 4-14-01
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-097-21,466 - 0 000
County: Kiowa
SW NE SW Sec. 31 Twp. 28 S. R16 East West
1650' feet from S N (circle one) Line of Section
1650' feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Harts "A" Well #: 1
Field Name: _____
Producing Formation: N/A
Elevation: Ground: 2123' Kelly Bushing: 2128'
Total Depth: 4810' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 461' KB Feet
Multiple Stage Cementing Collar Used? Yes No
Yes, show depth set _____ Feet
Alternate II completion, cement circulated from _____
Set depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan D & A gth 6/04/03
(Data must be collected from the Reserve Pit)
Chloride content 54,000 ppm Fluid volume 350 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.: _____

RECEIVED
KANSAS CORPORATION COMMISSION
MAY 2 2001

CONSERVATION DIVISION

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: [Signature]
C. W. Sedits
Title: President Date: 4-30-01

Subscribed and sworn to before me this 30th day of April, 192001.

Notary Public: [Signature]
Verdella Lewis
6-06-2002



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: Harts "A" Well #: 1
 Sec. 31 Twp. 28S R. 16 East West County: Kiowa

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%; text-align: right;">Top</td> <td style="width:20%;"></td> </tr> <tr> <td>Stotler</td> <td style="text-align: right;">3360</td> <td style="text-align: right;">(-1232)</td> </tr> <tr> <td>Howard Lmstn</td> <td style="text-align: right;">3553</td> <td style="text-align: right;">(-1425)</td> </tr> <tr> <td>Topeka</td> <td style="text-align: right;">3660</td> <td style="text-align: right;">(-1532)</td> </tr> <tr> <td>Heebner</td> <td style="text-align: right;">4006</td> <td style="text-align: right;">(-1878)</td> </tr> <tr> <td>Lansing</td> <td style="text-align: right;">4187</td> <td style="text-align: right;">(-2059)</td> </tr> <tr> <td>Stark Shale</td> <td style="text-align: right;">4435</td> <td style="text-align: right;">(-2307)</td> </tr> <tr> <td>B/KC</td> <td style="text-align: right;">4516</td> <td style="text-align: right;">(-2388)</td> </tr> <tr> <td>Mississippi</td> <td style="text-align: right;">4714</td> <td style="text-align: right;">(-2586)</td> </tr> <tr> <td>Viola</td> <td style="text-align: right;">4787</td> <td style="text-align: right;">(-2659)</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">Datum</td> </tr> </table>	Name	Top		Stotler	3360	(-1232)	Howard Lmstn	3553	(-1425)	Topeka	3660	(-1532)	Heebner	4006	(-1878)	Lansing	4187	(-2059)	Stark Shale	4435	(-2307)	B/KC	4516	(-2388)	Mississippi	4714	(-2586)	Viola	4787	(-2659)			Datum
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CASING RECORD <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface Casing	12 1/4"	8 5/8"	24#	461' KB	60-40 poz	400sx	2% gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: P&A	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		60-40 poz	135sx	6% gel

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
	N/A		

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		N/A			
Date of First, Resumerd Production, SWD or Enhr.		Producing Method			
N/A		<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

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Sumit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

PICKRELL DRILLING COMPANY, INC. ORIGINAL

100 SOUTH MAIN - SUITE 505
 WICHITA, KANSAS 67202-3738
 (316) 262-8427

#1 Harts "A"
 SW NE SW
 Section 31-28S-16W
 Kiowa County, Kansas

API#: 15-097-21,466
 1650' From South Line of Section
 1650' From West Line of Section
 ELEV: 2128' KB, 2126' DF, 2123' GL

- 4-04-01: Making Location.
- 4-05-01: MIRT & RURT.
- 4-06-01: (On 4-5) Spud @ midnight. Drilled 12 1/4" hole to 466'. Currently getting ready to COOH to run surface casing.
- 4-09-01: (On 4-6) Ran 11 Jts of New 8 5/8" 24# Csg. set @ 461' KB, cmt w/ 400 sx 60-40 poz, 2% gel, 3% CC. Cmt circ. PD @ 9:15 am on 4-06-01. (On 4-7) Drlg. ahead @ 635'. (On 4-8) Drlg. ahead @ 1720'. (On 4-9) Drlg. ahead @ 2765'.
- 4-10-01: Drlg. ahead @ 3455'.
- 4-11-01: Drlg. ahead @ 4045'.
- 4-12-01: Drlg. ahead @ 4540'.
- 4-13-01: Testing @ 4760'. DST #1 4708-4760', (Miss), Wk blow, slight show gas bubbles, 5 to 6 unit gas kick.
- 4-16-01: (On 4-13) DST #1 4708-4760', 30"-30"-30"-30", -Rec. 65' M. IFP 30-30#, ISIP 75#, FFP 30-30#, FSIP 65#. Temp 124 degrees. RTD 4810'. Attempted E-Log would not go. Hit bridge @ 1370'. Logging tool stuck @ 3831'. Fished for tool. P&A as follows: 50sx @ 1150', 50sx @ 480', 10sx @ 40', 10sx in MH, 15sx in RH of 60-40 poz, 6% gel. Completed @ 9:15 PM on 4-14-01. Final Report.

KEY WELL	
Murfin Drilling Company	
#1 Boman	
SE SE NW, Sec. 31-28S-16W	
Kiowa County, Kansas	
SAMPLE TOPS	
Stotler	3360 (-1232)
Howard Limestone	3553 (-1425)
Topeka	3660 (-1532)
Heebner	4006 (-1878)
Douglas Shale	4034 (-1906)
Lansing	4187 (-2059)
Stark Shale	4435 (-2307)
Base/Kansas City	4516 (-2388)
Mississippi	4714 (-2586)
Viola	4787 (-2659)
RTD	4810'

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Viola	4787 (-2659)
RTD	4810'

ORIGINAL

ALLIED CEMENTING CO., INC.

7752

Federal Tax I.D.# 48-0727860

P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

med. lodge, ks.

LE 4-14-01	SEC. 31	TWP. 28	RANGE 16	CALLED OUT 3:30P.M.	ON LOCATION 6:30P.M.	JOB START 8:00P.M.	JOB FINISH
LEASE Harts	WELL # A-1	LOCATION HAWILAND 4S-3/4W-01S			COUNTY Kiowa	STATE KS.	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Pickrell Drilg. Co.

TYPE OF JOB Rotary Plug

HOLE SIZE 7 7/8 T.D.

CASING SIZE 8 5/8 DEPTH 461'

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 x hole DEPTH 1050

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT Fresh H30

OWNER Co. Tools

CEMENT

AMOUNT ORDERED 13.55x60/40/16

COMMON	<u>81</u>	@	<u>6.35</u>	<u>514.35</u>
POZMIX	<u>54</u>	@	<u>3.25</u>	<u>175.50</u>
GEL	<u>7</u>	@	<u>9.50</u>	<u>66.50</u>
CHLORIDE		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>142</u>	@	<u>1.05</u>	<u>149.10</u>
MILEAGE	<u>142 x 25</u>		<u>.04</u>	<u>142.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling

120 HELPER J.D.

BULK TRUCK

341 DRIVER Steve T.

BULK TRUCK

DRIVER

TOTAL 1047.45

REMARKS:

SERVICE

1050' w/ 50sx

480' w/ 50sx

40' w/ 10sx

mH w/ 10sx

R.H w/ 1.5sx

13.55x 60:40:6% Gel.

DEPTH OF JOB 1050

PUMP TRUCK CHARGE 470.00

EXTRA FOOTAGE @

MILEAGE 25 @ 3.00 75.00

PLUG @

@

@

TOTAL 545.00

CHARGE TO: Pickrell Drilg.

STREET P.O. Box 1303

CITY GREAT BEND STATE KANSAS ZIP 67530

FLOAT EQUIPMENT

@

@

@

@

ALLIED CEMENTING CO., INC.

4550

Federal Tax I.D.# 48-0727860

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

ORIGINAL SERVICE POINT:
med. lodge

DATE 4-6-01	SEC. 31	TWP. 28	RANGE 16	CALLED OUT 2:30 A.M.	ON LOCATION 4:00 A.M.	JOB START 8:00 A.M.	JOB FINISH 9:15 P.M.
LEASE Harts	WELL # A-1	LOCATION HAWILAND, 4S-3/4W-N/5			COUNTY KIOWA	STATE KS.	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Pickrell Drlg.
 TYPE OF JOB Surface Csg.
 HOLE SIZE 12 1/4 T.D. 466'
 CASING SIZE 8 5/8 x 24 DEPTH 461'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX 200 MINIMUM 100
 MEAS. LINE _____ SHOE JOINT 41.20
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT Fresh H₂O / 27 Bbls

OWNER Co. Tools
 CEMENT
 AMOUNT ORDERED 400SX 60/40
3% CCT + 2% Gel
 COMMON 240 @ 6.35 1524.00
 POZMIX 160 @ 3.25 520.00
 GEL 7 @ 9.50 66.50
 CHLORIDE 13 @ 28.00 364.00

EQUIPMENT

PUMP TRUCK CEMENTER Larry Dreiling
 # 356 HELPER David West
 BULK TRUCK
 # 259 DRIVER Kevin Brongardt
 BULK TRUCK
 # _____ DRIVER _____

HANDLING 420 @ 1.05 441.00
 MILEAGE 420 K 25 .04 420.00

TOTAL 3335.50

REMARKS:

Pipe on Bottom. Break Circ.
Pump 400SX 60/40 3% CCT
2% Gel. Release Plug. Displace
Plug w/ 27 Bbls. Fresh H₂O.
Bump Plug. Shut In.
Cement Did Circ.

SERVICE

DEPTH OF JOB 461
 PUMP TRUCK CHARGE 0.300 470.00
 EXTRA FOOTAGE 161' @ .43 69.23
 MILEAGE 25 @ 3.00 75.00
 PLUG Rubber 8 5/8" @ 90.00 90.00

TOTAL 704.23

CHARGE TO Pickrell Drlg. Co.
 STREET P.O. Box 1303
 CITY Great Bend STATE KANSAS ZIP 67530

FLOAT EQUIPMENT

1-Baffle Plate @ 45.00 45.00
 1-Basket @ 180.00 180.00

TOTAL 225.00

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