

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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KCC WICHITA ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 31361
 Name: Pardee Production Co.
 Address: 7706 E 85th St
 City/State/Zip: Tulsa, OK 74133
 Purchaser: Duke Energy
 Operator Contact Person: Jim Pardee
 Phone: (918) 459-0522
 Contractor: Name: Big A Drilling
 License: 31572
 Wellsite Geologist: M. Bradford Rine
 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. _____

<u>3/27/02</u>	<u>4/9/02</u>	<u>5/10/02</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 175-21870-0000
 County: Seward

 Sec. 05 Twp. 35 S. R. 32 East West
735 feet from N (circle one) Line of Section
2180 feet from W (circle one) Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 (circle one) NE SE NW SW
 Lease Name: Light Heirs Well #: 2
 Field Name: Three Star
 Producing Formation: Chester
 Elevation: Ground: 2753' Kelly Bushing: 10'
 Total Depth: 6230' Plug Back Total Depth: 6218'
 Amount of Surface Pipe Set and Cemented at 1586 Feet
 Multiple Stage Cementing Collar Used? Yes No
 If yes, show depth set DV Tool @ 3191 Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.
Drilling Fluid Management Plan All 1 Eel 9-16-02
 (Data must be collected from the Reserve Pit)
 Chloride content 1800 ppm Fluid volume 500 bbls
 Dewatering method used No Free Water
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket No.: _____

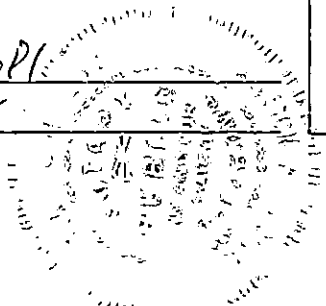
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side 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: James Pardee
 Title: President Date: 9/6/02
 Subscribed and sworn to before me this 6th day of Sept.
19 2002
 Notary Public: Cheryl Lutea 010146P1
 Date Commission Expires: Aug 29, 2005

KCC Office Use ONLY

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



ORIGINAL

Operator Name: Pardee Production Co. Lease Name: Light Heirs Well #: 2
 Sec. 05 Twp. 35 S. R. 32 East West County: Seward

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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: Dual Induction Neutron Density Microlog	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">Log</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample</th> </tr> <tr> <td></td> <td>Name</td> <td>Top Datum</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>B/Heebner Sh</td> <td>4387 -1622</td> </tr> <tr> <td></td> <td>Toronto</td> <td>4415 -1650</td> </tr> <tr> <td></td> <td>Lansing</td> <td>4553 -1788</td> </tr> <tr> <td></td> <td>Kansas City</td> <td>5057 -2292</td> </tr> <tr> <td></td> <td>Marmaton</td> <td>5235 -2470</td> </tr> <tr> <td></td> <td>Cherokee</td> <td>5511 -2746</td> </tr> <tr> <td></td> <td>Atoka</td> <td>5767 -3002</td> </tr> <tr> <td></td> <td>Morrow</td> <td>5863 -3098</td> </tr> <tr> <td></td> <td>Chester</td> <td>6094 -3329</td> </tr> </table>	Log	Formation (Top), Depth and Datum	Sample		Name	Top Datum	<input checked="" type="checkbox"/>	B/Heebner Sh	4387 -1622		Toronto	4415 -1650		Lansing	4553 -1788		Kansas City	5057 -2292		Marmaton	5235 -2470		Cherokee	5511 -2746		Atoka	5767 -3002		Morrow	5863 -3098		Chester	6094 -3329
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CASING RECORD . New 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
Conductor	30"	20"	---	40'	5yd	10	grout
Surface	12 1/4"	8 5/8"	24#	1583'	Litewate Class-C	550 160	2% CC 2% CC
Production	7 7/8"	4 1/2"	11.6#	6240'	50/50 Poz	160	5% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
4	6166'-6179'	1) 1500 gal of 7.5% HCl, 2) 100 gal of FDR	
4	6156'-6162'	1100, 35 mcf of N2 pad, 3000 gal 7.5%	
4	6128'-6133'	HAS 75 @ 70% Q N2 Foam	

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2 3/8"	6120'				
Date of First, Resumed Production, SWD or Enhr.			Producing Method				
5/10/02			<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio	Gravity		
	0	100	0				

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

Vented Sold Used on Lease
 Open Hole Perf. Dually Comp. Commingled

(If vented, Submit ACO-18.) Other (Specify) _____

ORIGINAL

HALLIBURTON		JOB LOG		TICKET # 1798746	TICKET DATE 03/28/02
REGION NORTH AMERICA LAND		MWA / COUNTRY Central / USA		BOA / STATE MC/Ks	COUNTY SEWARD
MBU ID / EMPL # MCL10101		H.E.B. EMPLOYEE NAME LYNDON WHITE		PSL DEPARTMENT CEMENT	
LOCATION LIBERAL		COMPANY PARDEE PRODUCTION CO.		CUSTOMER REP / PHONE DAVID RICE 629-3596	
TICKET AMOUNT \$7,238.06		WELL TYPE OIL		AFUWI #	
WELL LOCATION E. OF LIBERAL KS		DEPARTMENT CEMENT		JOB PURPOSE CODE Cement Surface Casing	
LEASE NAME LIGHT HEJRS		Well No. #2	SEC / TWP / RNG 5 - 35S - 32W	RES FACILITY (CLOSEST TO WELL #) LIBERAL KS	

HRS	EMP NAME/EMP # (EXPOSURE HOURS)	HRS	EMP NAME/EMP # (EXPOSURE HOURS)	HRS	EMP NAME/EMP # (EXPOSURE HOURS)	HRS	EMP NAME/EMP # (EXPOSURE HOURS)
	White, L 232712		Clemens, A 198516				
	King, K 106942						
	Ferguson, R 106154						
	Romero, M 240051						

Chart No.	Time	Rate	Volume	Rate	Press (PSI)	Job Description / Remarks
	0400					CALLED OUT
	0630					ON LOCATION
	0540					SAFETY HUDDLE
	0545					RIG UP TRUCKS
	0630					RIG UP CASERS
	0700					SAFETY MEETING
	0710					START RUNNING CASING AND F/E
	0845					FINISHED RUNNING CASING
	0845					SAFETY HUDDLE
	0850					RIG UP PIC
	0855					CIRCULATE W/RIG
	0856					RIG DOWN CASERS
	0900					SAFETY MEETING ON JOB PROCEDURE
	0930					SWITCH OVER TO HALLIBURTON LINES
	0938			1500		TEST LINES
	0939	5.0	10.0	250		PUMP SPACER 1
	942	5.0	188.0	200		START LEAD CEMENT @12.2#
	1018	5.0	38.0	300		START TAIL CEMENT @14.8#
	1025					SHUT DOWN RELEASE TOP PLUG
	1028	6.0	99.0	50		START DISPLACEMENT
	1048	2.0	89.0	400		SLOW RATE
	1058	2.0	99.0	900		BUMP PLUG
	1100					RELEASE PRESSURE//FLOAT HELD
						END JOB
						clr 48 bbbs to pit ✓
						THANKS FOR CALLING HALLIBURTON
						LYNDON AND CREW

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HALLIBURTON		JOB LOG		TICKET # 1816931	TICKET DATE 04/10/02
REGION NORTH AMERICA LAND		NWA / COUNTRY Central / USA		BDA / STATE MC/Ks	COUNTY SEWARD
MBU ID / EMPL # MCLI 0110/ 198516		H.E.S. EMPLOYEE NAME JASON CLEMENS		PSL DEPARTMENT CEMENTING SERVICES	
LOCATION LIBERAL		COMPANY PARDEE PRODUCTION CO.		CUSTOMER REP / PHONE DAVID RICE 629-3596	
TICKET AMOUNT \$11,013.78		WELL TYPE OIL		API/UM #	
WELL LOCATION LIBERAL		DEPARTMENT Z1		JOB PURPOSE CODE Cement Production Casing	
LEASE NAME LIGHT HEIRS		Well No. #2	SEC / WPT / RWS 5 - 35S - 32W	HES FACILITY (CLOSEST TO WELL #) LIBERAL	

HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS	HES EMP NAME/EMP # (EXPOSURE HOURS)	HRS
Clemens, A 198516							
Cochran, M 217398							
Oliphant, C 243055							

Chart No.	Time	Rate (BPM)	Volume (GAL)	Rate		Press. (PSI)		Job Description / Remarks
				WZ	CSG	CSG	Tbg	
	200							ARRIVE ON LOCATION
	230							PRE-JOB SAFETY MEETING
	245							SPOT EQUIP.
								D.V. TOOL AT 3206 FT.
	400							START F.E.
	800							HOOK UP CIR W/ RIG
	905					3000		PRESSURE TEST
	907	8.0	7.0			200		START KCL H2O
	909	6.0	12.0			200		START MUD FLUSH
	911	6.0	7.0			250		START KCL H2O
	912	6.0	47.0			300		START CEMENT AT 13.2#
	922							SHUT DOWN WASH LINES
	923							DROP PLUG
	925	7.0	98.0			100		START DISP
	934	7.0	75.0			220		CAUGHT CEMENT
	940	2.0	90.0			550		SLOW RATE
	943	2.0	98.0			1500		LAND PLUG
	1027					800		OPEN TOOL CIR 4 HRS
	1426	6.0	5.0			150		START FRESH H2O
	1428	6.0	6.0			150		START MUD FLUSH
	1430	6.0	5.0			150		START FRESH H2O
	1433	6.0	33.0			150		START LEAD AT 12.2#
	1436	6.0	7.0			200		START TAIL AT 14.8#
	1441							SHUT DOWN WASH LINES
	1442							DROP PLUG
	1443	7.0	51.0			100		START DISP
	1449	7.0	35.0			220		CAUGHT CEMENT
	1452	2.0	41.0			400		SLOW RATE
	1455	2.0	51.0			3000		LAND PLUG
								THANKS JASON & CREW.

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