

Revision 4

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

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL

Operator: License # 9313  
 Name: James D. Lorenz  
 Address: 543A 22000 Road  
 City/State/Zip: Cherryvale, Kansas 67335-8515  
 Purchaser: BLUESTEM PIPE LINE  
 Operator Contact Person: James D. Lorenz  
 Phone: (620) 328-4433  
 Contractor: Name: L & S Well Service, L.L.C.  
 License: 33374  
 Wellsite Geologist: NONE  
 Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     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. \_\_\_\_\_

10/25/06	10/26/06	10/30/06
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 099-24122-00-00  
 County: Labette  
 SE SE NW NW Sec. 33 Twp. 31 S. R. 18  East  West  
3060 4060 feet from S N (circle one) Line of Section  
4595 feet from E W (circle one) Line of Section  
 Footages Calculated from KCC-119 Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Lorenz Well #: 23  
 Field Name: Dartnell  
 Producing Formation: NONE  
 Elevation: Ground: 850 Kelly Bushing: \_\_\_\_\_  
 Total Depth: 1006 Plug Back Total Depth: \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 22.6-0 Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from 715  
 feet depth to Surface w/ 105 sx cmt.

**Drilling Fluid Management Plan** DG 6/11/08  
 (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: \_\_\_\_\_  
 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 D. Lorenz  
 Title: agent Date: 12-28-07  
 Subscribed and sworn to before me this 28<sup>th</sup> day of December,  
 2007.  
 Notary Public: Lisa J. Lorenz  
 Date Commission Expires: 2-19-2012

LISA J. LORENZ  
 Notary Public - State of Kansas  
 My Appt. Expires 2-19-2012

**KCC Office Use ONLY**

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

**RECEIVED**  
**MAR 10 2008**  
**KCC WICHITA**

Operator Name: James D. Lorenz Lease Name: Lorenz Well #: 23  
 Sec. 33 Twp. 31 S. R. 18  East  West County: Labette

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

**Gamma Ray Neutron**

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

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	11"	8 5/8"	20'	20-0'	Portland	6	none
production	5 1/2"	2 1/2"	715'	715-0'	OWC	105	none

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
2	2" DML-RTG	15% HCL ACID 6000#	20-40,4000#	234.5-244.5
2	2" DML-RTG			245-255

TUBING RECORD		Size	Set At	Packer At	Liner Run			
1			701		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumerd Production, SWD or Enhr. 12-25-07		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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity			
		15	.25					

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_  
 Production Interval \_\_\_\_\_

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KCC WICHITA

L S Well Service, LLC #33374  
543A 22000 Road  
Cherryvale, Kansas 67335  
620-328-4433

Drill Log  
James D. Lorenz .

Lorenz #23  
S33, T31,R18E  
Labette Co, KS  
API#099-24122-0000

0-20 Sand  
20-23 Red Rock Water  
23-95 Shale  
95-97 Lime  
97-150 Shale  
150-210 Lime  
210-240 Shale  
240-260 Sand Odor  
260-330 Shale  
330-350 Lime  
350-420 Shale  
420-448 Lime  
448-452 Shale  
452-478 Lime  
478-485 Shale with Coal  
485-492 Lime  
492-544 Shale  
544-550 Lime  
550-615 Shale  
615-620 Sand  
620-740 Shale  
**T.D. 740'**

**10/25/06 Drilled 11" hole and set  
40' of 8 5/8" surface casing  
Set with 10 sacks Portland cement**

**10/26/06 Started drilling 5-1/2" hole**

**10/26/06 Finished drilling to  
T.D. 740'**

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L'S Well Service, L.L.C # 33374  
 543 22000 ROAD  
 CHERRYVALE, KANSAS 67335-8515  
 620-328-4433 OFFICE

TICKET NUMBER 20061030  
 LOCATION Labette Co  
 FOREMAN JL GB

**CEMENT TREATMENT REPORT**

API # 15-099-24122-00-00

DATE <u>10/30/06</u>		WELL NAME <u>Lorenz #23</u>	
SECTION <u>33</u>	TOWNSHIP <u>31</u>	RANGE <u>18 E</u>	COUNTY <u>LB</u>
CUSTOMER <u>JIM LIPPERT</u>			
MAILING ADDRESS <u>543A 22000 Rd</u>			
CITY <u>Cherryvale</u>			
STATE <u>Kansas</u>		ZIP CODE <u>67335</u>	
TIME ARRIVED ON LOCATION			

Hole	Pipe	Annual Volumn in Linear Ft./Bl.
6 3/4"	4 1/2"	40.5
6 1/2"	4 1/2"	46
6 1/4"	2 1/2"	33.5
5 1/4"	2 1/2"	53.5
5 1/4"	2"	47
5 1/2"	2 1/2"	41
<b>Tubing-Linear Ft./Bl.</b>		
11"	8 5/8"	15
10"	7"	24
4 1/2"	10.5 lb.	63.1
2 1/2"		170
2"		250

<b>WELL DATA</b>	
HOLE SIZE	<u>3 1/2</u>
TOTAL DEPTH	<u>740'</u>
CASING SIZE	<u>2 1/2</u>
CASING DEPTH	<u>715'</u>
PACKER DEPTH	
WIRE LINE READING BEFORE	
WIRE LINE READING AFTER	

**TYPE OF TREATMENT**

- SURFACE PIPE
- PRODUCTION CASING
- SQUEEZE CEMENT
- PLUG AND ABANDON
- PLUG BACK
- MISP. PUMP
- WASH DOWN
- OTHER

2.5

INSTRUCTIONS PRIOR TO JOB \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

<b>AUTHORIZATION TO PROCEED</b>	<b>TITLE</b>	<b>DATE</b>
HOOKED ONTO <u>2 1/2"</u> CASING. ESTABLISHED CIRCULATION WITH <u>20</u> BARRELS OF WATER, <u>2 C-GL</u> <u>1 MBT</u> AHEAD, THEN BLENDED <u>105</u> SACKS OF <u>CWC</u> CEMENT, THEN DROPPED RUBBER PLUG, THEN PUMPED <u>4.5</u> BARRELS OF WATER.		

- LANDED PLUG ON BOTTOM AT 156 PSI
- SHUT IN PRESSURE \_\_\_\_\_
- LOST CIRCULATION
- GOOD CEMENT RETURNS
- TOPPED OFF WELL WITH \_\_\_\_\_ SACKS
- SET FLOAT SHOE - SHUT IN

*[Handwritten Signature]*  
 (SIGNATURE)

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 KCC WICHITA