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KCC WICHITA

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

OPERATOR: License # 34229  
Name: SW OIL & GAS LLC  
Address 1: 3540 W. DOUGLAS  
Address 2: \_\_\_\_\_  
City: WICHITA State: KS Zip: 67203 + \_\_\_\_\_  
Contact Person: R. D WOOD  
Phone: ( 316 ) 312-5375  
CONTRACTOR: License # 33575  
Name: W W DRILLING, LLC  
Wellsite Geologist: MIKE ENGELBRECHT  
Purchaser: NCRA

API No. 15 - 195-22665-00-00

Spot Description: \_\_\_\_\_  
C S/2 S/2 Sec. 24 Twp. 15 S. R. 24  East  West  
660 Feet from  North /  South Line of Section  
2,640 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW

County: TREGO

Lease Name: LUTTERS 24-3 Well #: 3

Field Name: KINDERKNECHT SOUTH

Producing Formation: MISSISSIPPIAN

Elevation: Ground: 2315 Kelly Bushing: 2321

Total Depth: 4345 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 218 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: 1670 Feet

If Alternate II completion, cement circulated from: 1670

feet depth to: SURFACE w/ 230 sx cmt.

Designate Type of Completion:

- New Well  Re-Entry  Workover
- Oil  WSW  SWD  SLOW
- Gas  D&A  ENHR  SIGW
- OG  GSW  Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled Permit #: \_\_\_\_\_
- Dual Completion Permit #: \_\_\_\_\_
- SWD Permit #: \_\_\_\_\_
- ENHR Permit #: \_\_\_\_\_
- GSW Permit #: \_\_\_\_\_

6-24-10	7-2-10	7-9-10
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 2800 ppm Fluid volume: 500 bbls

Dewatering method used: NATURAL DRIP

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: R.D Wood  
Title: President Date: 10-17-12

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Dlg Date: 10/22/12

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Side Two

KCC WICHITA

Operator Name: SW OIL & GAS LLC

Lease Name: LUTTERS 24

Well #: 3

Sec. 24 Twp. 15 S. R. 24  East  West

County: TREGO

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 complete copy of all Electric Wire-line 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

Electric Log Submitted Electronically  Yes  No (If no, Submit Copy)

List All E. Logs Run:

Compensated density porosity 1 dual induction

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhydrite	1667	+618
Lansing	3667	-1382
Pawnee	4055	-1770
Cherokee	4178	-1893
Mississippian	4228	-1943

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		8 5/8"		220		150	
PRODUCTION	7 7/8	4 1/2"		4340	EA-2BLEND	180	
PRODUCTION	7 7/8	4 1/2"		1670	60/40 POZ	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				

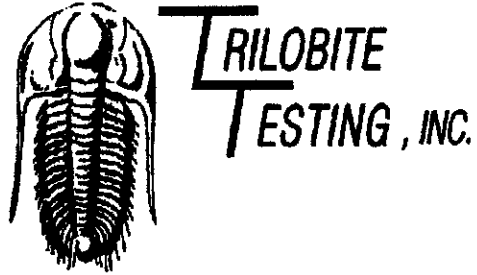
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4SPF	4256-4262	ACID 300GAL. 15% MCA	4256
		ACID 300GAL. 3% MCA	

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	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		
	20	0	0		34		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify)	PRODUCTION INTERVAL: MISS 4256-4262
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**DRILL STEM TEST REPORT**

Prepared For: **S&W Oil & Gas LLC**

3540 W. Douglas  
Wichita KS 67203

ATTN: R.D.Wood

**24-15s-24w Trego KS**

**Lutters #3**

Start Date: 2010.06.29 @ 18:56:38

End Date: 2010.06.30 @ 03:14:32

Job Ticket #: 38720                      DST #: 1

S&W Oil & Gas LLC

Lutters #3

24-15s-24w Trego KS

DST # 1

Miss

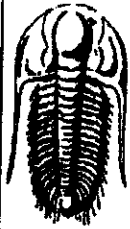
2010.06.29

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Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

S&W Oil & Gas LLC

Lutters #3

3540 W. Douglas  
Wichita KS 67203

24-15s-24w Trego KS

Job Ticket: 38720

DST#: 1

ATTN: R.D.Wood

Test Start: 2010.06.29 @ 18:56:38

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 21:34:33

Time Test Ended: 03:14:32

Test Type: **Conventional Bottom Hole**

Tester: **Ray Schwager**

Unit No: **42**

Interval: **4221.00 ft (KB) To 4268.00 ft (KB) (TVD)**

Total Depth: **4268.00 ft (KB) (TVD)**

Hole Diameter: **7.85 inches** Hole Condition: **Fair**

Reference Elevations: **2285.00 ft (KB)**

**2280.00 ft (CF)**

**KB to GR/CF: 5.00 ft**

Serial #: **8365**

**Inside**

Press@RunDepth: **180.73 psig @ 4253.01 ft (KB)**

Start Date: **2010.06.29**

End Date:

**2010.06.30**

Capacity: **8000.00 psig**

Start Time: **18:56:38**

End Time:

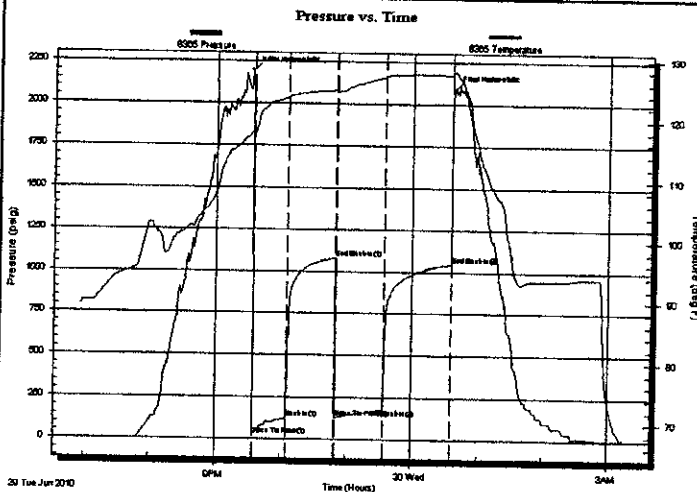
**03:14:32**

Last Calib.: **2010.06.30**

Time On Btm: **2010.06.29 @ 21:32:33**

Time Off Btm: **2010.06.30 @ 00:37:32**

TEST COMMENT: **IFP-w k to strg in 26 min**  
**FFP-w k to strg in 30 min**  
**Times 30-45-45-60**  
**ISIP-no bl bk , FSP-1/8"bl bk**



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2195.14	117.83	Initial Hydro-static
2	25.30	117.25	Open To Flow (1)
33	124.57	123.67	Shut-In(1)
77	1076.40	124.84	End Shut-In(1)
78	132.41	124.52	Open To Flow (2)
122	180.73	127.00	Shut-In(2)
183	1043.87	127.49	End Shut-In(2)
185	2091.36	127.90	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
124.00	MGO 20%G30%M50%O	0.65
62.00	MGO 10%G40%M50%O	0.87
124.00	HO&GCM 10%G30%O60%M	1.74
92.00	CO	1.29
0.00	90'GP	0.00

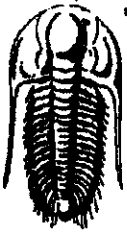
## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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**TRIOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

S&W Oil & Gas LLC

**Luffers #3**

3540 W. Douglas  
Wichita KS 67203

**24-15s-24w Trego KS**

Job Ticket: 38720

**DST#: 1**

ATTN: R.D.Wood

Test Start: 2010.06.29 @ 18:56:38

**Tool Information**

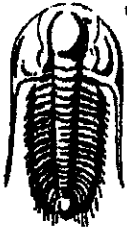
Drill Pipe:	Length: 4081.00 ft	Diameter: 3.80 inches	Volume: 57.25 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 57.84 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	4221.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.02 ft			
Tool Length:	75.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4194.00	
Shut In Tool	5.00			4199.00	
Hydraulic tool	5.00			4204.00	
Jars	5.00			4209.00	
Safety Joint	2.00			4211.00	
Packer	5.00			4216.00	28.00 Bottom Of Top Packer
Packer	5.00			4221.00	
Stubb	1.00			4222.00	
Blank Spacing	31.00			4253.00	
Recorder	0.01	8365	Inside	4253.01	
Recorder	0.01	6625	Outside	4253.02	
Perforations	12.00			4265.02	
Bullnose	3.00			4268.02	47.02 Bottom Packers & Anchor

**Total Tool Length: 75.02**

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TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

S&W Oil & Gas LLC

Lutters #3

3540 W. Douglas  
Wichita KS 67203

24-15s-24w Trego KS

Job Ticket: 38720

DST#: 1

ATTN: R.D.Wood

Test Start: 2010.06.29 @ 18:56:38

**Mud and Cushion Information**

Mud Type: Gel Chem	Cushion Type:	Oil API: 34 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 6600.00 ppm		
Filter Cake: 1.00 inches		

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
124.00	MGO 20%G30%M50%O	0.646
62.00	MGO 10%G40%M50%O	0.870
124.00	HO&GCM 10%G30%O60%M	1.739
92.00	CO	1.291
0.00	90'GP	0.000

Total Length: 402.00 ft      Total Volume: 4.546 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

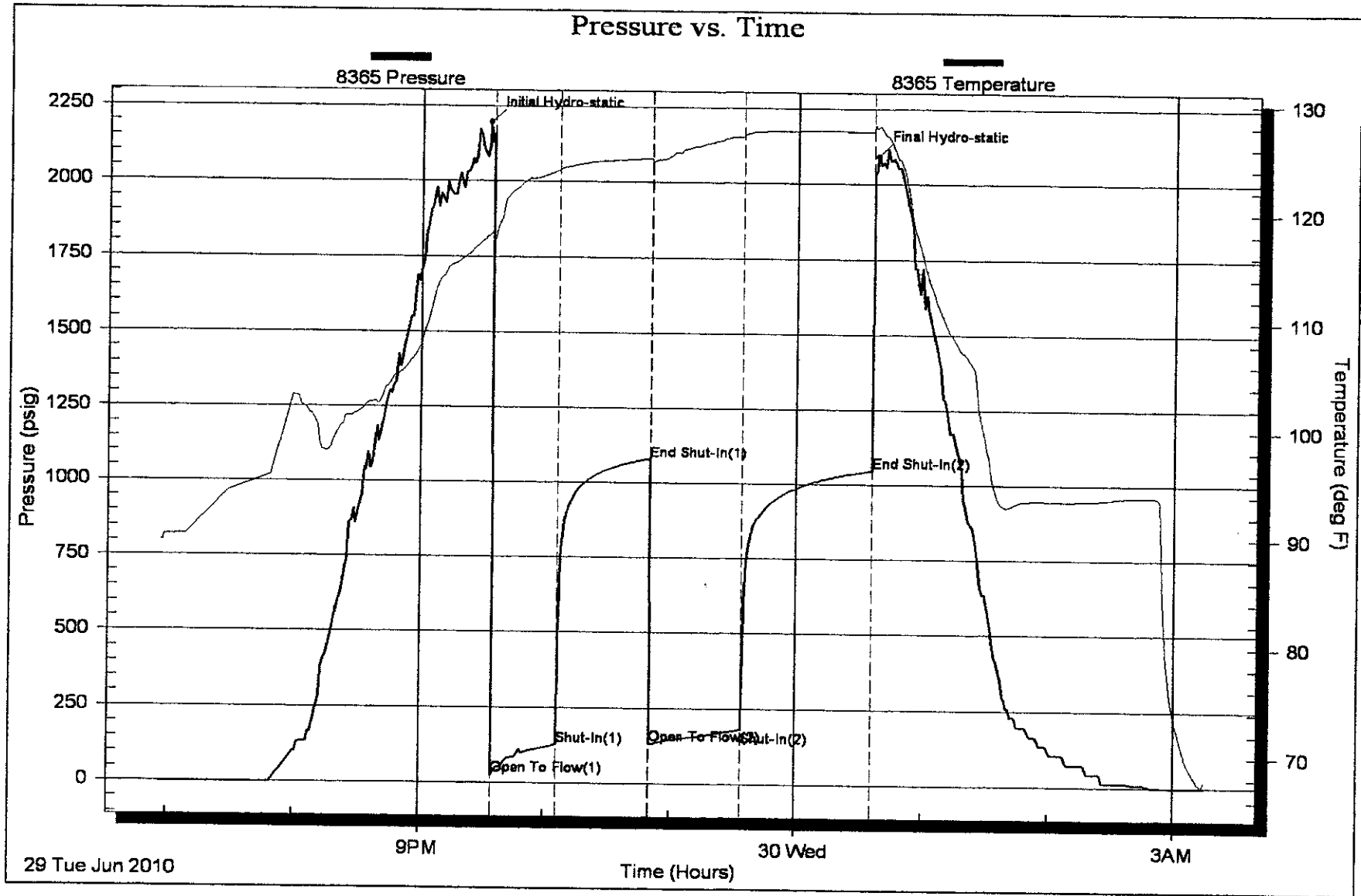
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

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**JOB LOG**

**SWIFT Services, Inc.**

X

CUSTOMER S.W. 07 - GAS	WELL NO. # 3	LEASE LUTTERS	JOB TYPE 8 5/8" SURFACE	DATE 6-24-10	PAGE NO. 1
			TICKET NO. 18565		

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL/GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1930							ON LOCATION
								TD-222 SET: 220
								TP-220 8 5/8" # 23
								15' CMT LEFT IN CASING
	2315							BREAK CIRCULATION
	2325	4 1/2	36 1/2		✓		200	MIX CEMENT 150 SWS STANDARD 2 9/16" GEL 390cc
	2333	6 1/2	0		✓		300	DISPLACE CEMENT
	2335		13					CEMENT DISPLACED - SHUT DOWN
							150	SHUT IN WELL
								CIRCULATED 15 SWS CEMENT TO PET
								WASH TRUCK
	0030							JOB COMPLETE

THANK YOU  
WAYNE, ROSIE B., JASON F.

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JOB LOG

SWIFT Services, Inc.

DATE 7-6-10 PAGE NO. 1

CUSTOMER St W Oil Company WELL NO. 3 LEASE Lutters JOB TYPE Cement Top Stage TICKET NO. 18709

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1230							On Location 2 3/8 x 4 1/2 PC @ 1770'
				✓		1000		Pressure Test + Annulus Held
	4			✓		300		Open Tool - Injection Rate
	4'			✓		300		Start Cement @ 11.2 ppq
	4		110	✓		400		Cement to Surface
	4		125			400		225 sks Total 20 sks top it Shut Down Cement - Start Displacement
	1400		6			200		Shut Down - Shut in
	1405							Close Tool
	1410			✓		1000		Pressure Test - Held
	1415							Run 12 Jts
	1430		20					Reverse Clean
								Wash Truck
	1500							Job Complete Thank you Brett, Dave + Blaine

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