



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Confidentiality Requested:

Yes No

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____

(e.g. xx.xxxxx)

(e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(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 #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	RUDIGER 1-7
Doc ID	1229735

All Electric Logs Run

CDL/CN/
DIL
BHCS
Microresistivity
Fracfinder
CPI

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	RUDIGER 1-7
Doc ID	1229735

Tops

Name	Top	Datum
Anhydrite	861	+1058
Herrington	1782	+137
Winfield	1834	+85
Towanda	1903	+16
Fort Riley	1946	-27
B/Florence	2048	-129
Kinney LS	2066	-147
Wrefold	2098	-179
Council Grove	2117	-198
Crouse	2157	-238
Neva	2293	-374
Red Eagle	2354	-435
Root Shale	2582	-663
Stotler	2650	-731
Tarkio	2710	-791
Howard	2849	-930
Severy Shale	2925	-1006
Topeka	2940	-1021
Oread	3134	-1215
Heebner	3189	-1270
Toronto	3206	-1287
Douglas Shale	3220	-1301
Brown Lime	3282	-1363
LKC	3291	-1372

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	RUDIGER 1-7
Doc ID	1229735

Tops

Name	Top	Datum
Drum	3418	-1499
BKC	3511	-1592
Arbuckle	3610	-1691

Summary of Changes

Lease Name and Number: RUDIGER 1-7

API/Permit #: 15-009-25951-00-00

Doc ID: 1229735

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	06/30/2014	11/12/2014
Completion Or Recompletion Date	03/11/2014	10/27/2014
Disposition Of Gas - Vented	No	Yes
Field Name		Clarence
Liner Run?		No
Method Of Completion - Perf	No	Yes
Perf_Material_1		250 gal 10% acetic acid
Perf_Material_2		150 gal 10% Mod 202 acid
Perf_Record_1		3609' - 3622'
Perf_Shots_1		4

Summary of changes for correction 1 continued

Field Name	Previous Value	New Value
Production Interval #1		3609' - 3622'
Production Interval #2		Arbuckle
Purchaser's Name	Not yet completed	
Save Link	../../../../kcc/detail/operatorE ditDetail.cfm?docID=11 94025	../../../../kcc/detail/operatorE ditDetail.cfm?docID=12 29735
Tubing Record - Set At		3605
Tubing Size		2.3750



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1194025
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

CONFIDENTIAL WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
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- SWD Permit #: _____
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Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(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 #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
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1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	RUDIGER 1-7
Doc ID	1194025

All Electric Logs Run

CDL/CN/
DIL
BHCS
Microresistivity
Fracfinder
CPI

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	RUDIGER 1-7
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Tops

Name	Top	Datum
Anhydrite	861	+1058
Herrington	1782	+137
Winfield	1834	+85
Towanda	1903	+16
Fort Riley	1946	-27
B/Florence	2048	-129
Kinney LS	2066	-147
Wrefold	2098	-179
Council Grove	2117	-198
Crouse	2157	-238
Neva	2293	-374
Red Eagle	2354	-435
Root Shale	2582	-663
Stotler	2650	-731
Tarkio	2710	-791
Howard	2849	-930
Severy Shale	2925	-1006
Topeka	2940	-1021
Oread	3134	-1215
Heebner	3189	-1270
Toronto	3206	-1287
Douglas Shale	3220	-1301
Brown Lime	3282	-1363
LKC	3291	-1372

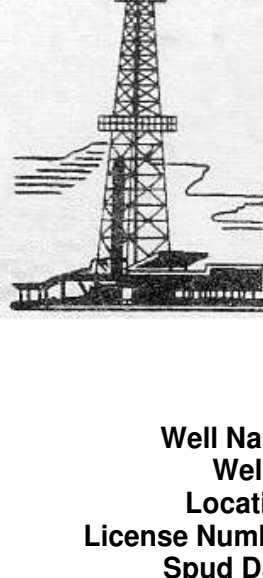
Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	RUDIGER 1-7
Doc ID	1194025

Tops

Name	Top	Datum
Drum	3418	-1499
BKC	3511	-1592
Arbuckle	3610	-1691

WELLSITE GEOLOGIST'S REPORT

J. R. Husted
Consulting Geologist



Scale 1:240 (5" = 100') Imperial
Measured Depth Log

Well Name: RUDIGER NO 1-7
Well Id: SEC 7-T20S-R14W
Location: 15-009-25,951-0000
License Number: FEB 27-2014
Spud Date: 2310' FNL,400' FWL,70' E. OF SW SW NW
Region: BARTON CO
Drilling Completed: MARCH 11-2014

Bottom Hole Coordinates: 1911' 1700' 1919'
Ground Elevation (ft): 1700' **To:** 3850' **Total Depth (ft):** 3850'
Logged Interval (ft): ARBUCKLE
Formation: STARCH
Type of Drilling Fluid: STARCH/CHEMICAL
 Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

ROCK TYPES			
	Anhy		Shgy
	Bent		Silt
	Brec		Ss
	Cht		Till
	Cylt		Carb sh
	Coal		Dol
	Congl		Dtd
	Dol		Gry sh
	Gyp		Sandy
	Igne		Silt
	Lmst		Silt
	Meta		Sulphur
	Mrlst		Tuff
	Salt		Chlorite
	Shale		Dol
	Shcol		Sand
			Silty
			STRINGER
			Anhy
			Arg
			Bent
			Coal
			Dol
			Gyp
			Ls
			Mrlst
			Siltstrg
			Ssstrg
			Carbsh
			Clystn
			Dol
			Grysh
			Lms
			Sandy
			Sh
			Siltstn
			Siltysh
			Lms

ACCESSORIES			
	FOSSIL		Salt
	Algae		Sandy
	Amph		Silt
	Balm		Silt
	Bicst		Sulphur
	Brach		Tuff
	Bryzoa		Chlorite
	Cephal		Dol
	Coral		Sand
	Crin		Silty
	Echin		STRINGER
	Fish		Anhy
	Foam		Arg
	Gastro		Bent
	Oolite		Coal
	Oolite		Dol
	Pallet		Gyp
	Pisolith		Ls
	Plant		Mrlst
	Strom		Siltstrg
	Fuss		Ssstrg
	Oomold		Carbsh
			Clystn
			Dol
			Grysh
			Lms
			Sandy
			Sh
			Siltstn
			Siltysh
			Lms
			Boundst
			Cryxln
			Earthy
			Lithogr
			Microxin
			Mudst
			Packst
			Wackest

OPERATOR
 Company: F.G. HOLL COMPANY
 Address: 9431 E. CENTRAL STE 100 WICHITA, KANSAS 67206

GEOLOGIST
 Name: RENE HUSTEAD
 Company: HUSTEAD EXPLORATION
 Address: 600 N. WINWOOD ST GARDNER, KANSAS 66030

DRILLING CONTRACTOR
 DUKE RIG #2
 DOUBLE DERRICK; DP-4.5 X H(20#) DC 6.25" X 2.25" X 480.73 FT; KELLY BUSHING 8 FT ABOVE GROUND LEVEL; DION VASQUEZ (TOOL-PUSHER) NOTE -RTD =3850' AND LTD=3846' DIFF OF 4 FT

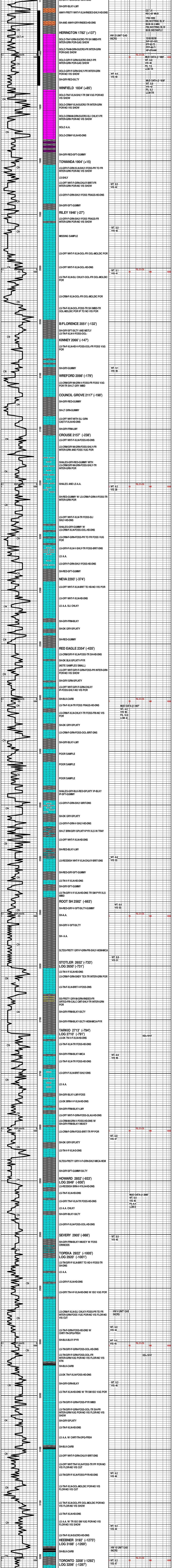
SURFACE CASING
 SURFACE CASING SET AT 8 5/8 INCHES AT 880' WITH 400 SAXS OF CEMENT
 PRODUCTION CASING SET AT 5 1/2 INCHES AT 3748' WITH 200 SAXS OF CEMENT

GAS DETECTION
 ANALOG UNIT MBC INC HW/CHROM (FROM 1600' TO 3850')

CIRCULATION SYSTEM
 EWCO 14W400 ;BB/STRK 129; STK/MIN 60;BB/MIN 7.7;GAL/MIN 325;EARTH PITS;MUD CO SERVICE
 INC-RICK HUGHES-1-620-752-5425

ELECTRIC LOGS
 DUAL COMPENSATED POROSITY MICRO LOG; DUAL INDUCTION LOG; FRAC FINDER; BORE HOLE COMPENSATED; SONIC LOG; MICRO RESISTIVITY LOG

COMPLETION
 PRODUCTION CASING SET ON ARBUCKLE





DOUGLAS SH 3223' (-1304')
 LOG 3220' (-1301')
 SH-GRY-BLKY-WAXEY W/ PYR XLS

SH-GRY-BLKY-WAXEY-SILTY

SH-GRY-SFT-SILTY

SH A.A.

SH-GRY-V-SFTSILTY

BROWN LS 3284' (-1365')
 LOG 3281' (-1362')

LS-TNF-XLN-HD-DNS

LANSING/KC 3294' (-1375')
 LOG 3292' (-1373')

LS-OFF WHT-F-GRN-PP AND SMALL VUG
 POR-NO VIS FLOR-GD STRM CUT-FREE
 OIL-GOOD ODOR

LS-OFF WHT-GRY-F-GRN-PR PP AND ISO VUG
 POR-NO VIS FLOR-FR STRM CUT-GD ODOR

LS-TN-GRY-F-GRN-FOSS-SHLY-HD-DNS

LS-LT BRN-F-GRN-FOSS-PR INTER-GRN
 POR-NO VIS FLOR-NO VIS SHOW

LS-GRY-F-GRN-OOL-SHLY-PR OOL-MOLDIC
 VUG POR-NO VIS FLOR-GD STRM CUT-NO
 ODOR

LS-TNF-XLN-TR FOSS-HD-DNS

LS-OFF WHT-F-XLN-TR INTER-GRN POR-TR LT
 STN-NO VIS FLOR-NO VIS CUT

LS-TNF-XLN-OOL-GD OOL-MOLDIC POR-NO
 VIS FLOR-NO VIS CUT

LS A.A.

LS-TNF-XLN-CHLKY IP-BRIT TO HD-DNS-DULL
 WHT MIN FLOR-NO VIS CUT

LS-CRM-F-XLN-OOL-FR INTER-GRN/SM VUG
 POR-LT BRN STN-NO VIS FLOR-FR STRM
 CUT-FNT ODOR

LS-OFF WHT-F-GRN-CHLKY-OOL-TR PR
 OOL-MOLDIC/FR INTER-GRN POR-SCATT
 BRITE YEL FLOR-TR LT BRN STN-GD STRM
 CUT-NO ODOR

LS-TNF-XLN-OOL-FR TO GD OOL-MOLDIC
 POR-SCATT BRITE YEL FLOR-NO VIS CUT -NO
 VIS ODOR-GAS SHOW

LS-OFF WHT-F-XLN-CHLKY IP-OOL-BRIT TO HD
 DNS

LS-GRN-WHT-F-XLN-OOL-GLAU-HD-W/ TR ISO
 VUG POR-DULL WHT FLOR-NO VIS SHOW

LS-OFF WHT-GRN-OOL-PR INTER-GRN POR-TR
 DK BLK STN-NO VIS FLOR-GD STRM CUT-NO
 ODOR

B/KC 3511' (-1592')

LS-TNF-XLN-CHLKY IP-OOL IP-SLI CHLKY BRIT TO
 HD-MSTLY DNS W/ TR OOL-MOLDIC POR-BRITE WHT
 FLOR-NO VIS CUT

**(CONGLOMERATE 3522'
 (-1603'))**

SHALES-RED-GRY-BLKY-SNDY IP-W/ CHRT-TN-OPQ-FRSH

SHALES-GRY-BLKY-W/ CHRT-TN-OPQ-FRSH

SHALES AND CHRT A.A.

SHALE-RED-SFT-GUMMY W/ CHRT-TN-OPQ-FRSH

CHRT-OFF WHT-TN-MSTLY OPQ-FRSH TR CHRT-TRIP-FR
 PP-POR-OK BLK STN

CHRT A.A.

CHRT-VARIG-OPQ-FRSH W/ TR DK BLK STN
 SHALES-VARIG-SPLNTY

ARBUCKLE 3610' (-1691')

DOLO-CRM-F-GRN-TR SND IMBD-FR
 INTER-GRN POR-LT BRN STN-SCATT YEL
 FLOR-TR FLSH CUT-STRNG ODOR

DOLO-TNF-F-GRN-BRIT-OOL-FR INTER-GRN WITH TR
 OOL-MOLDIC POR-LT BRN STN-SCATT YEL FLOR-NO VIS
 CUT-WHEN CRUSHED IMMED FLSH CUT-STRNG ODOR

DOLO A.A. WITH MSTLY SHALES-VARIG IN
 TRAY

DOLO-CRM-F-GRN-BRIT-TR INTER-GRN
 POR-TR LT BRN STN-NO VIS FLOR-NO VIS
 CUT-FNT ODOR WITH CHRT-BRN-OPQ-FRSH

DOLO-TNF-F-GRN-TR INTER-GRN POR-TR LT BRN STN-NO
 VIS FLOR-NO VIS CUT-FNT ODOR

DOLO A.A.

DOLO-CRM-F-GRN-SNDY TEX-HD-DNS W/
 CHRT-YEL-OPQ-FRSH-SHALES-VARIG

DOLO-OFF WHT-M-GRN-SNDY-HD-DNS W/
 CHRT AND SHALES IN TRAY

DOLO-OFF WHT-CRS XLN-TR INTER-GRN POR-TR LT
 BRN STN-DULL YEL/GRN FLOR-GD
 FLSH CUT WHEN CRSHED

DOLO-OFF WHT-M-CRS XLN-TR INTER-GRN-NO
 VIS STN-BRITE YEL WHT FLOR-NO VIS CUT

DOLO-OFF WHT-CRS XLN-TR INTER-GRN
 POR-BRITE WHT FLOR-NO VIS CUT-NO ODOR

DOLO-OFF WHT-F-XLN-SNDY-HD-DNS W/
 BRITE WHT FLOR-NO VIS CUT

DOLO-OFF WHT-M-XLN-SNDY-HD-DNS

DOLO A.A.

DOLO-OFF WHT-F-XLN-LG SND GRNS IMB-BRIT-NO VIS
 POR/ NOTE CUTTINGS ARE VERY SMALL/ SND GRNS VIS
 IN TRAY-NO VIS SHOW

DOLO A.A.

KB=1919'		
WT 9.3 VIS 46		
7 UNIT GAS INCRS		
8 UNIT GAS INCRS		
WT 9.3 VIS 45		
MUD DATA @ 3334'		
WT 9.3 FIL 6.0		
DST #2 3300-3360' BLW BOB IN 26 MIN BLW BOB IN 27 MIN 30 60 45 90 SIP-928-913 JFP-35-71 HP-1671-1529		
WT 9.3 VIS 49		
MUD DATA @ 3334'		
WT 9.2 VIS 49		
DST #1 3400-3460' BLW BOB IN 109 SPOTTED MUD 3412-3433' IBLWK BLDNG BLW BLT TO 1.5 INCHES FLUSHED TOOL STRAP-2988.59 COLLARS 520.36 3418.95 3420.59 SHORT - 1.64		
MUD DATA @ 3433'		
20 UNIT HW GAS INCRS		
WT 9.3 FIL 6.0		
DST #4 3438-3449' REC 52 FT MUDDY H2O 10% MUD AND 90% WATER IBLWK BLW BLT 2.5" IN BUCKET FBLWK BLDNG BLW 2.5" IN BUCKET 30 60 30 60 SIP-966-957 JFP-33-51 HP-1715-1657		
DST #5 REC-124 FT MUDDY H2O (12% MUD AND 88% WATER) IBLWK BLDNG BLW BLT TO 6.5" IN BUCKET FBLWK BLDNG BLW BLT TO 8" IN BUCKET 15 60 30 60 SIP-912-906 JFP-39-70 HP-1722-1612		
MUD DATA @ 3433'		
DST #6 3461-3620' REC-427 MUD IBLWK BLW DIED FBLWDEAD 15 30 15 30 MIS-RUN		
MUD DATA @ 3617'		
WT 9.4 VIS 50 FIL 7.6		
NOTE-PACKER NOT SEATED CORRECTLY		
HW 8 UNIT GAS INCRS @ 3615'		
MUD DATA @ 3625'		
WT 9.5 VIS 99 FIL 7.2		
HW 16 UNIT GAS INCRS @ 3620'		
MUD DATA @ 3690'		
DST #7 3614-3625' REC-7 FT OIL AND 30 FT GASSY MUD IBLWSTRNG BLW BOB IN 25 SEC-BLWBK-YES FBLWSTRNG BLWBOS-BLWBK YES 5 60 60 90 SIP-1223-1192 JFP-53-94 JFP-50-43 HP-1816-1750		
GAS RATE TABLE		
MIN CK	PSIG	GAS RATE
5	25	37
10	38	82
20	5	100
30	5	128
40	5	131
50	5	145
DST #8 3625-3635' REC GAS AND 29 FT OFF SALT WATER IBLWSTRNG BLWBOS-BLWBK INSTANTLY FBLWSTRNG BLWBOS-BLWBK INSTANTLY-BLWBK		
HW 30 UNIT GAS INCRS (NOT LAGGED)		
560 60 30 SIP-1208-1117		
GAS RATE TABLE		
MIN CK	PSIG	GAS RATE
10	5	9.5
20	5	37
30	5	12
40	7.5	342
50	7.5	342
50	7.5	342
RTD-2857 LTD-3946'		



DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.01.03 @ 10:06:00

End Date: 2014.01.03 @ 16:39:30

Job Ticket #: 19266 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.02 @ 04:54:16



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19266 **DST#: 1**
 Test Start: 2014.01.03 @ 10:06:00

Tool Information

Drill Pipe:	Length: 1762.00 ft	Diameter: 3.80 inches	Volume: 24.72 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 42000.00 lb
			<u>Total Volume: 24.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	1762.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.05 ft			
Tool Length:	96.05 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			1739.00	
Hydraulic tool	5.00			1744.00	
Jars	6.00			1750.00	
Safety Joint	2.00			1752.00	
Top Packer	5.00			1757.00	
Packer	5.00			1762.00	28.00 Bottom Of Top Packer
Anchor	7.00			1769.00	
Change Over Sub	0.75			1769.75	
Drill Pipe	31.55			1801.30	
Change Over Sub	0.75			1802.05	
Anchor	23.00			1825.05	
Recorder	0.00	6666	Inside	1825.05	
Recorder	0.00	6748	Outside	1825.05	
Bull Plug	5.00			1830.05	68.05 Anchor Tool

Total Tool Length: 96.05



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company

7-20s-14w-Barton

9431 East Central Ste 100
Wichita Kansas 67206

Rudiger 1-7

Job Ticket: 19266

DST#: 1

ATTN: Rene Husted

Test Start: 2014.01.03 @ 10:06:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 7.60 in³
Resistivity: ohm.m
Salinity: 11000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

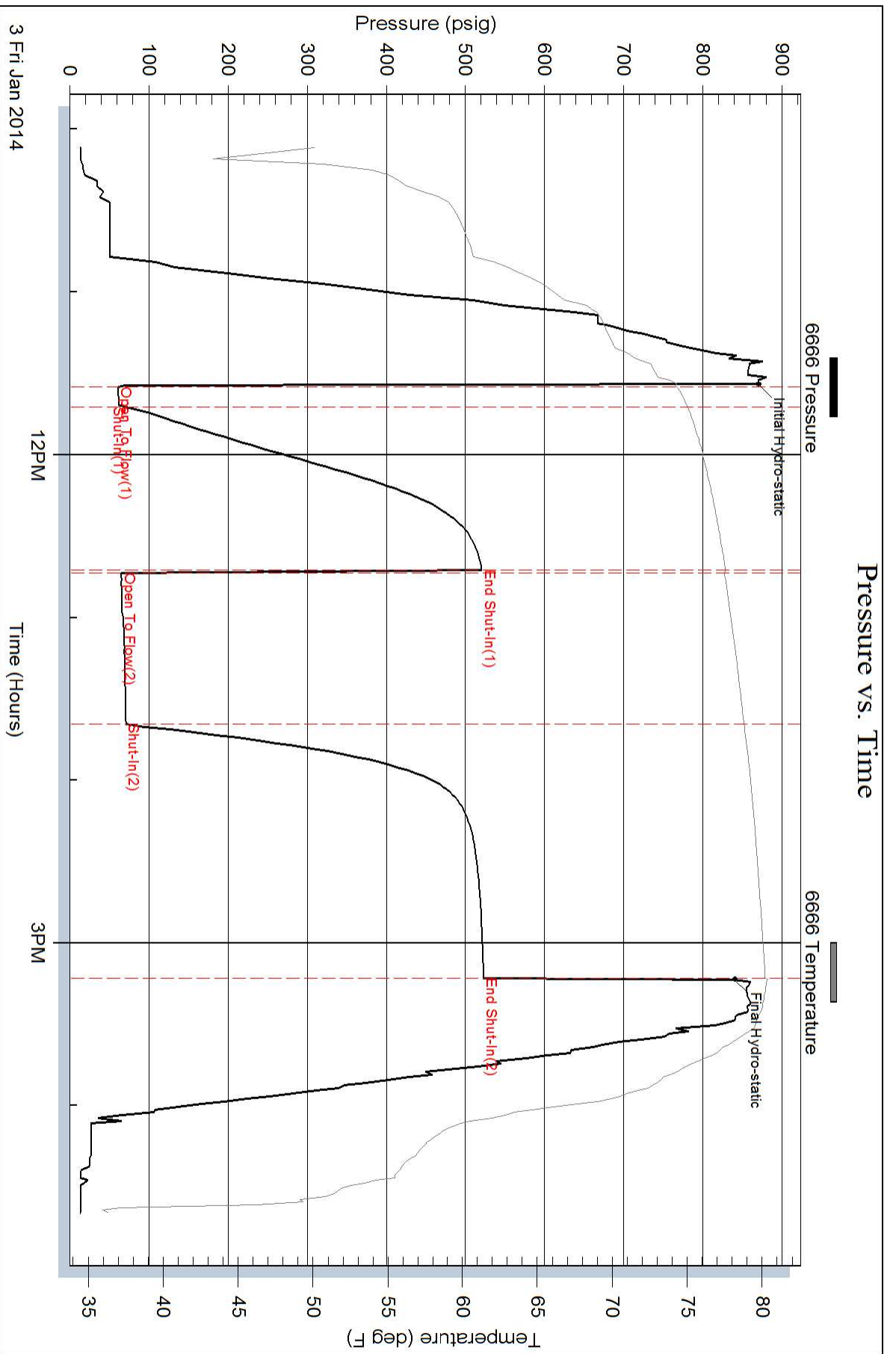
Length ft	Description	Volume bbl
55.00	Mud 100%	0.772

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.05 @ 02:55:00

End Date: 2014.03.05 @ 09:43:30

Job Ticket #: 19267 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.05 @ 22:55:48



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19267 **DST#: 2**
 Test Start: 2014.03.05 @ 02:55:00

Tool Information

Drill Pipe:	Length: 3332.00 ft	Diameter: 3.80 inches	Volume: 46.74 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	48000.00 lb
			<u>Total Volume: 46.74 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3350.00 ft			Final	43000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	16.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3327.00	
Hydraulic tool	5.00			3332.00	
Jars	6.00			3338.00	
Safety Joint	2.00			3340.00	
Top Packer	5.00			3345.00	
Packer	5.00			3350.00	28.00 Bottom Of Top Packer
Perforations	11.00			3361.00	
Recorder	0.00	6666	Inside	3361.00	
Recorder	0.00	6748	Outside	3361.00	
Bull Plug	5.00			3366.00	16.00 Anchor Tool
Total Tool Length:	44.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19267 **DST#: 2**
Test Start: 2014.03.05 @ 02:55:00

Mud and Cushion Information

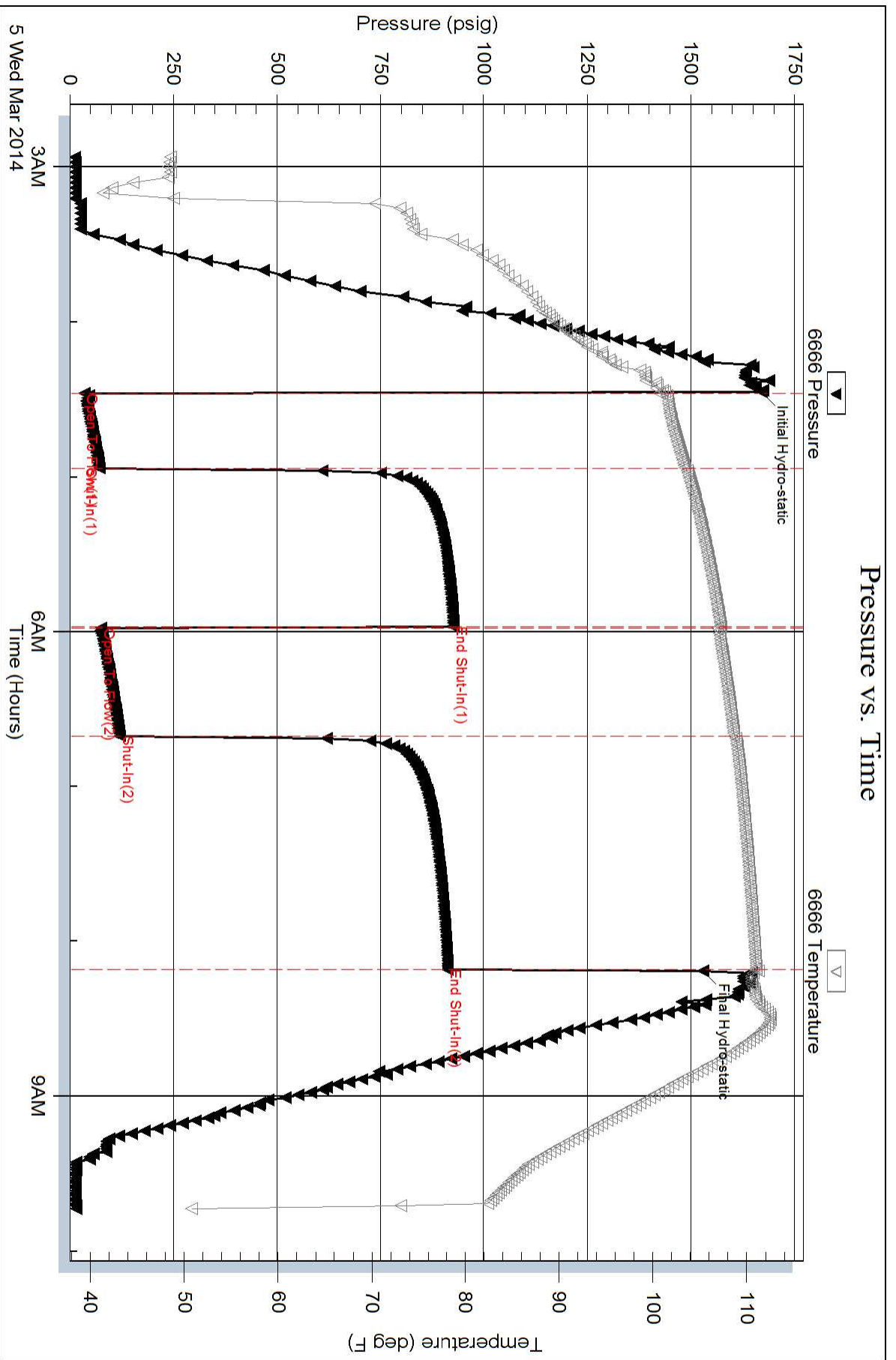
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 546.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
82.00	Water 100%	1.150
0.00	Chlorides 24,000 .3ohms 56degrees	0.000

Total Length: 82.00 ft Total Volume: 1.150 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.06 @ 08:37:00

End Date: 2014.03.06 @ 13:15:00

Job Ticket #: 19268 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.06 @ 14:29:37



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19268 **DST#: 3**
 Test Start: 2014.03.06 @ 08:37:00

Tool Information

Drill Pipe:	Length: 3396.00 ft	Diameter: 3.80 inches	Volume: 47.64 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 47.64 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3412.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3389.00	
Hydraulic tool	5.00			3394.00	
Jars	6.00			3400.00	
Safety Joint	2.00			3402.00	
Top Packer	5.00			3407.00	
Packer	5.00			3412.00	28.00 Bottom Of Top Packer
Perforations	16.00			3428.00	
Recorder	0.00	6651	Inside	3428.00	
Recorder	0.00	8525	Outside	3428.00	
Bull Plug	5.00			3433.00	21.00 Anchor Tool
Total Tool Length:	49.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19268 **DST#: 3**
Test Start: 2014.03.06 @ 08:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7700.00 ppm			
Filter Cake: 1.00 inches			

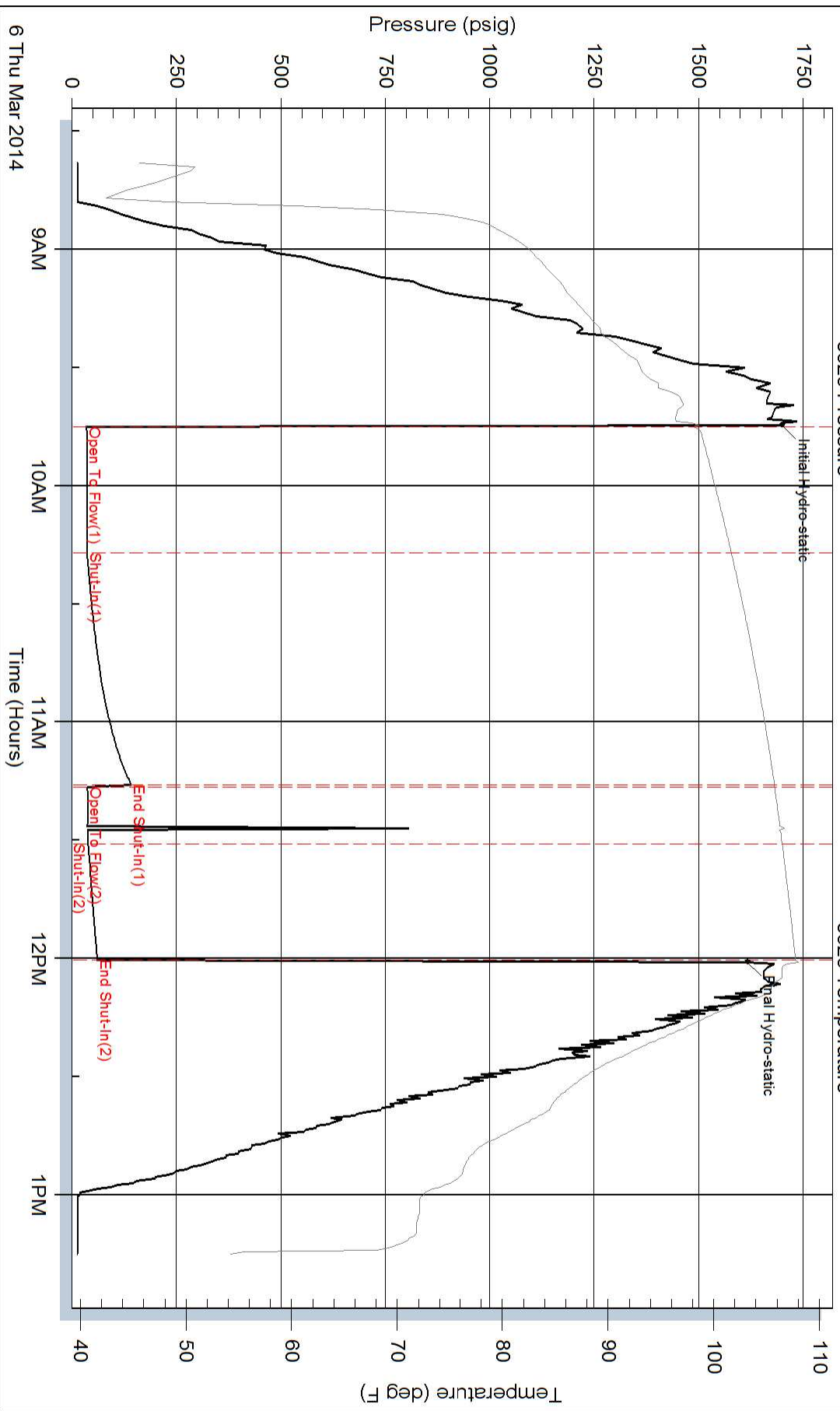
Recovery Information

Recovery Table

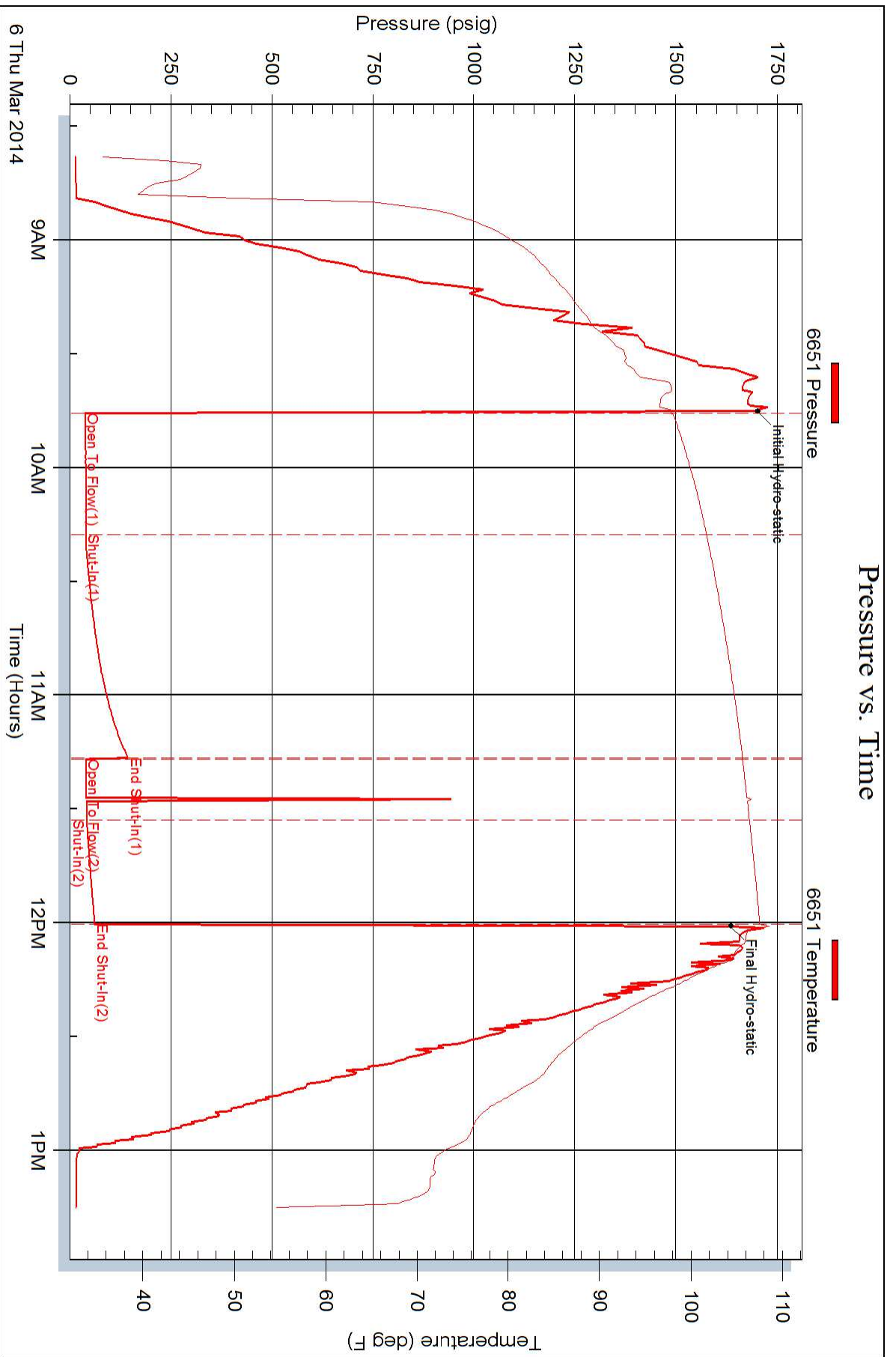
Length ft	Description	Volume bbl
7.00	Very lightly oil spotted mud Mud100%	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.06 @ 08:19:00

End Date: 2014.03.06 @ 14:40:00

Job Ticket #: 19269 DST #: 4

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.07 @ 03:58:58

F G Holl Company
7-20s-14w-Barton
Rudiger 1-7
DST # 4
Lansing I
2014.03.06



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19269 **DST#: 4**
 Test Start: 2014.03.06 @ 08:19:00

Tool Information

Drill Pipe:	Length: 3432.00 ft	Diameter: 3.80 inches	Volume: 48.14 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 49000.00 lb
			<u>Total Volume: 48.14 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3438.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3415.00	
Hydraulic tool	5.00			3420.00	
Jars	6.00			3426.00	
Safety Joint	2.00			3428.00	
Top Packer	5.00			3433.00	
Packer	5.00			3438.00	28.00 Bottom Of Top Packer
Perforations	6.00			3444.00	
Recorder	0.00	6651	Inside	3444.00	
Recorder	0.00	8525	Outside	3444.00	
Bull Plug	5.00			3449.00	11.00 Anchor Tool
Total Tool Length:	39.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company

7-20s-14w-Barton

9431 East Central Ste 100
Wichita Kansas 67206

Rudiger 1-7

Job Ticket: 19269

DST#: 4

ATTN: Rene Husted

Test Start: 2014.03.06 @ 08:19:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length: ft

Water Salinity: ppm

Viscosity: 61.00 sec/qt

Cushion Volume: bbl

Water Loss: 6.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 7100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
52.00	Muddy water Mud 10% Water 90%	0.729

Total Length: 52.00 ft Total Volume: 0.729 bbl

Num Fluid Samples: 0

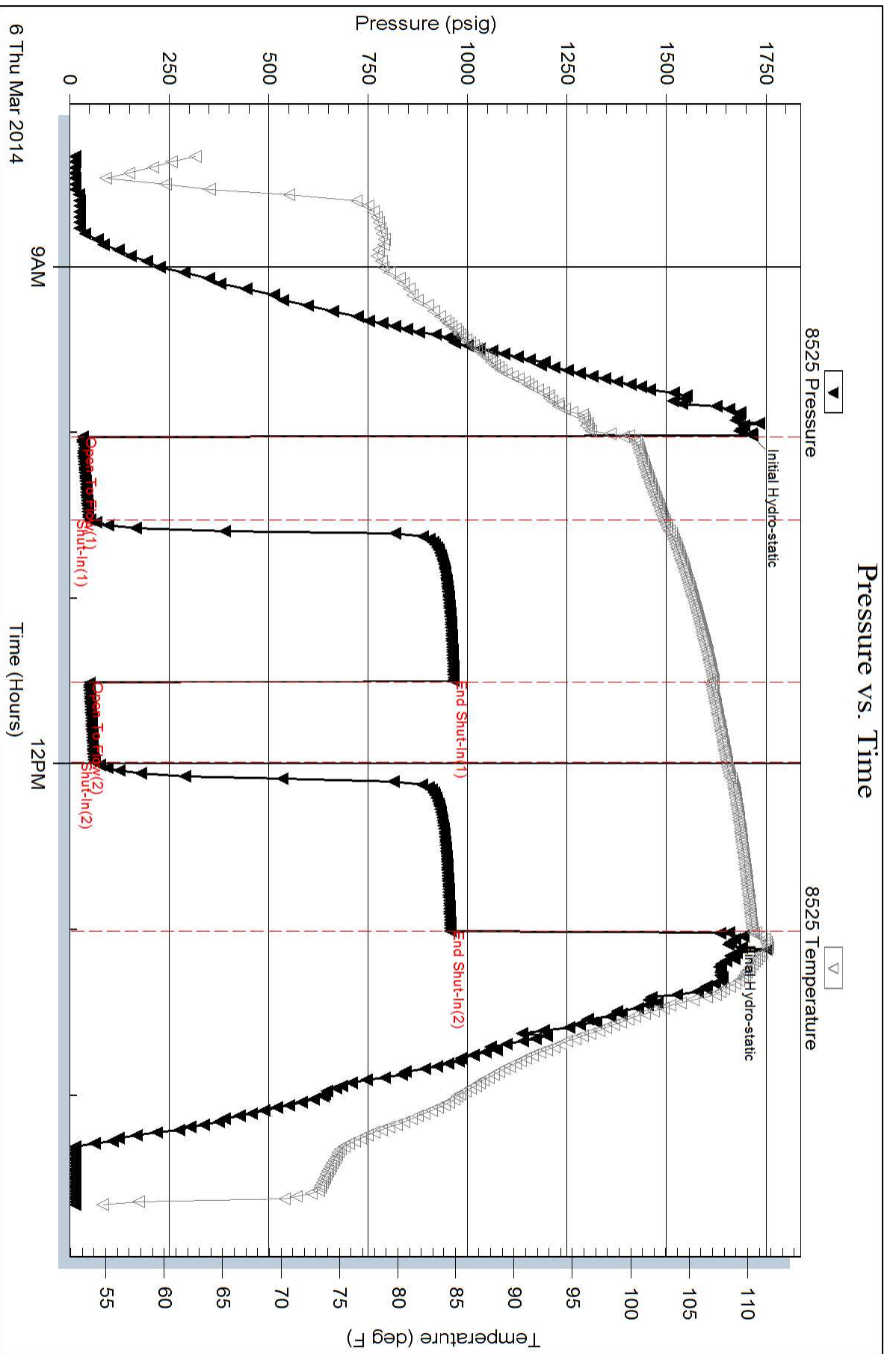
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.07 @ 11:11:00

End Date: 2014.03.07 @ 17:02:00

Job Ticket #: 19270 DST #: 5

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.07 @ 18:27:45



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

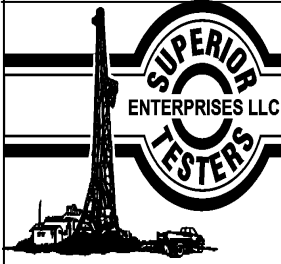
7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19270 **DST#: 5**
 Test Start: 2014.03.07 @ 11:11:00

Tool Information

Drill Pipe:	Length: 3432.00 ft	Diameter: 3.80 inches	Volume: 48.14 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 72000.00 lb
			Total Volume: 48.14 bbl	Tool Chased 2.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3449.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3426.00	
Hydraulic tool	5.00			3431.00	
Jars	6.00			3437.00	
Safety Joint	2.00			3439.00	
Top Packer	5.00			3444.00	
Packer	5.00			3449.00	28.00 Bottom Of Top Packer
Perforations	18.00			3467.00	
Recorder	0.00	8931	Inside	3467.00	
Recorder	0.00	8525	Outside	3467.00	
Bull Plug	5.00			3472.00	23.00 Anchor Tool
Total Tool Length:	51.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company

7-20s-14w-Barton

9431 East Central Ste 100
Wichita Kansas 67206

Rudiger 1-7

Job Ticket: 19270

DST#: 5

ATTN: Rene Husted

Test Start: 2014.03.07 @ 11:11:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 6900.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	Muddy w ater Mud 12% Water 88%	1.739
0.00	Chlorides 23,000 .4ohms@56degrees	0.000

Total Length: 124.00 ft Total Volume: 1.739 bbl

Num Fluid Samples: 0

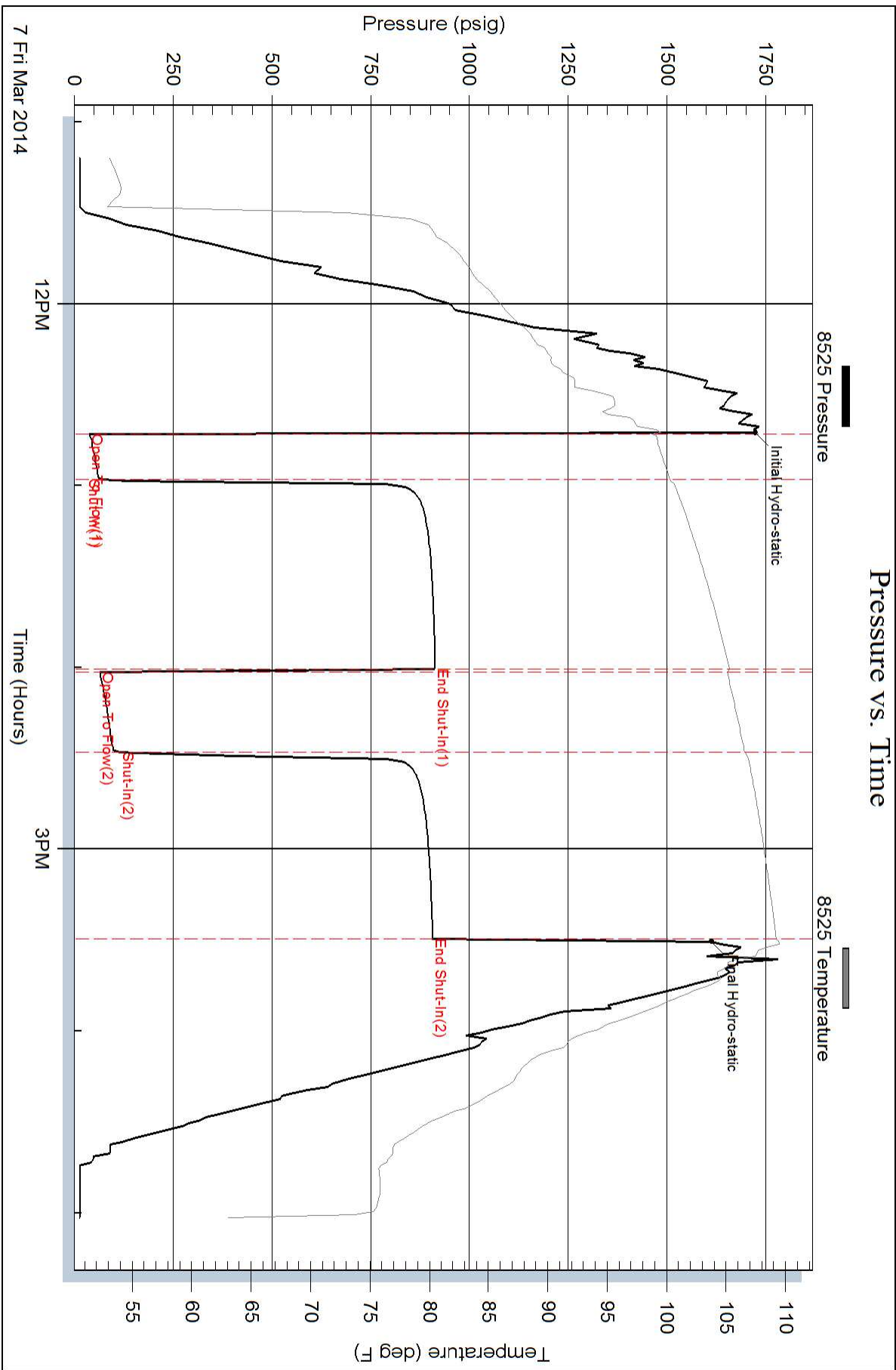
Num Gas Bombs: 0

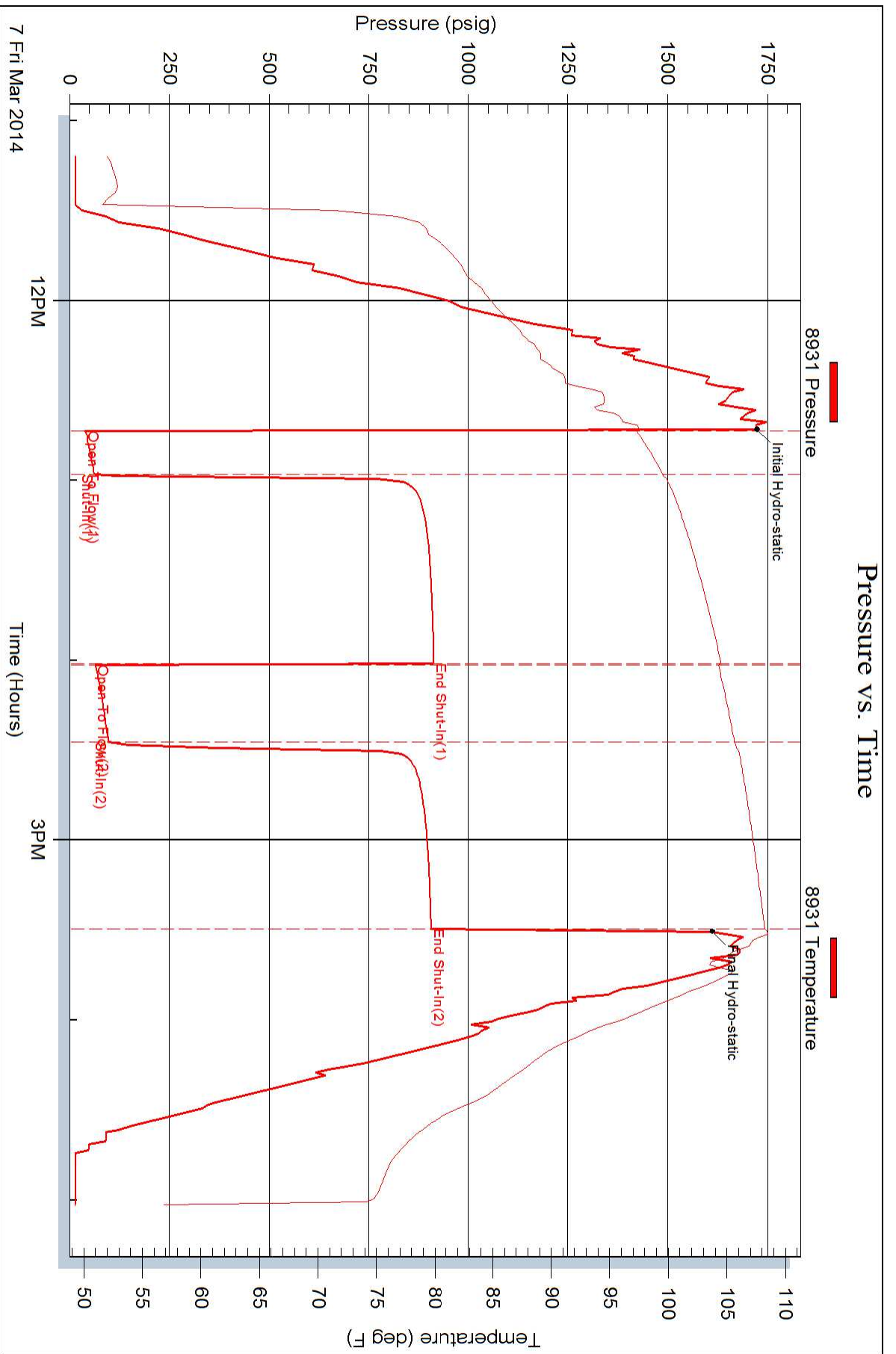
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.08 @ 04:30:00

End Date: 2014.03.08 @ 09:29:30

Job Ticket #: 19271 DST #: 6

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.08 @ 22:54:48



DRILL STEM TEST REPORT

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

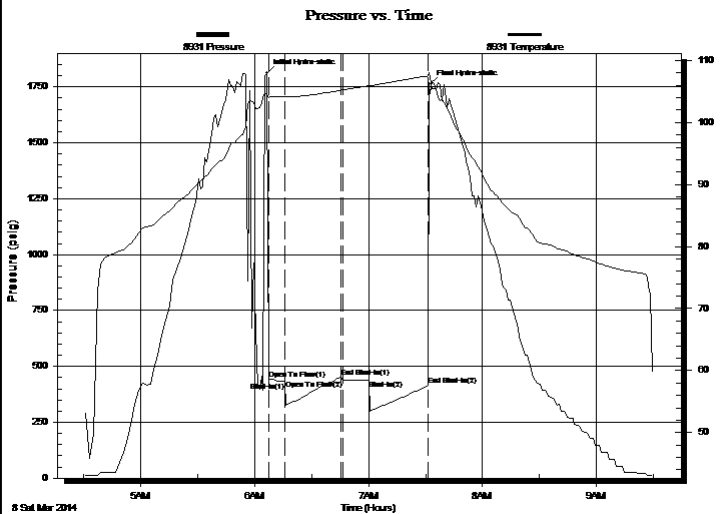
7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19271 **DST#: 6**
 Test Start: 2014.03.08 @ 04:30:00

GENERAL INFORMATION:

Formation: **arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:07:30 Tester: Dustin Ellis
 Time Test Ended: 09:29:30 Unit No: 3315-Great Bend-22
 Interval: **3611.00 ft (KB) To 3620.00 ft (KB) (TVD)** Reference Elevations: 1919.00 ft (KB)
 Total Depth: 3620.00 ft (KB) (TVD) 1911.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8931 Inside
 Press@RunDepth: 437.66 psig @ 3615.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.08 End Date: 2014.03.08 Last Calib.: 2014.03.08
 Start Time: 04:30:00 End Time: 09:29:30 Time On Btm: 2014.03.08 @ 06:06:30
 Time Off Btm: 2014.03.08 @ 07:32:00

TEST COMMENT: 1st Open 15 Minutes Weak blow that died off.
 1st Shut in 30 minutes No blow back.
 2nd Open 15 minutes Dead .
 2nd Shut in 30 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1811.57	104.48	Initial Hydro-static
1	443.73	104.08	Open To Flow (1)
10	430.33	104.17	Shut-In(1)
39	453.90	105.17	End Shut-In(1)
40	438.12	105.22	Open To Flow (2)
54	437.66	105.92	Shut-In(2)
86	415.00	107.51	End Shut-In(2)
86	1761.00	108.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
427.00	Mud 100%	5.99

Gas Rates

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



DRILL STEM TEST REPORT

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

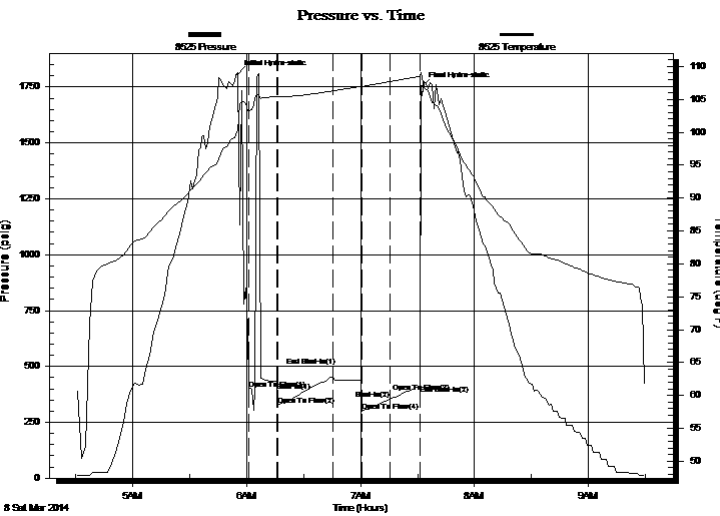
7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19271 **DST#: 6**
 Test Start: 2014.03.08 @ 04:30:00

GENERAL INFORMATION:

Formation: **arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:07:30
 Time Test Ended: 09:29:30
 Interval: **3611.00 ft (KB) To 3620.00 ft (KB) (TVD)**
 Total Depth: 3620.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-22
 Reference Elevations: 1919.00 ft (KB)
 1911.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8525 Outside
 Press@RunDepth: 415.32 psig @ 3615.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.03.08 End Date: 2014.03.08 Last Calib.: 2014.03.08
 Start Time: 04:30:00 End Time: 09:30:00 Time On Btm: 2014.03.08 @ 05:55:30
 Time Off Btm: 2014.03.08 @ 07:32:00

TEST COMMENT: 1st Open 15 Minutes Weak blow that died off.
 1st Shut in 30 minutes No blow back.
 2nd Open 15 minutes Dead .
 2nd Shut in 30 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1808.09	100.22	Initial Hydro-static
6	399.48	103.14	Open To Flow (1)
21	430.11	105.38	Shut-In(1)
21	326.36	105.35	Open To Flow (2)
50	454.12	106.30	Open To Flow (3)
65	438.98	106.97	End Shut-In(1)
65	299.55	106.96	Open To Flow (4)
80	353.20	107.71	Shut-In(2)
96	415.32	108.51	End Shut-In(2)
97	1750.69	109.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
427.00	Mud 100%	5.99

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19271 **DST#: 6**
 Test Start: 2014.03.08 @ 04:30:00

Tool Information

Drill Pipe:	Length: 3590.00 ft	Diameter: 3.80 inches	Volume: 50.36 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 50.36 bbl</u>	Tool Chased 48000.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3611.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3588.00	
Hydraulic tool	5.00			3593.00	
Jars	6.00			3599.00	
Safety Joint	2.00			3601.00	
Top Packer	5.00			3606.00	
Packer	5.00			3611.00	28.00 Bottom Of Top Packer
Perforations	4.00			3615.00	
Recorder	0.00	8931	Inside	3615.00	
Recorder	0.00	8525	Outside	3615.00	
Bull Plug	5.00			3620.00	9.00 Anchor Tool
Total Tool Length:	37.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19271 **DST#: 6**
Test Start: 2014.03.08 @ 04:30:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 44.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6900.00 ppm			
Filter Cake: 1.00 inches			

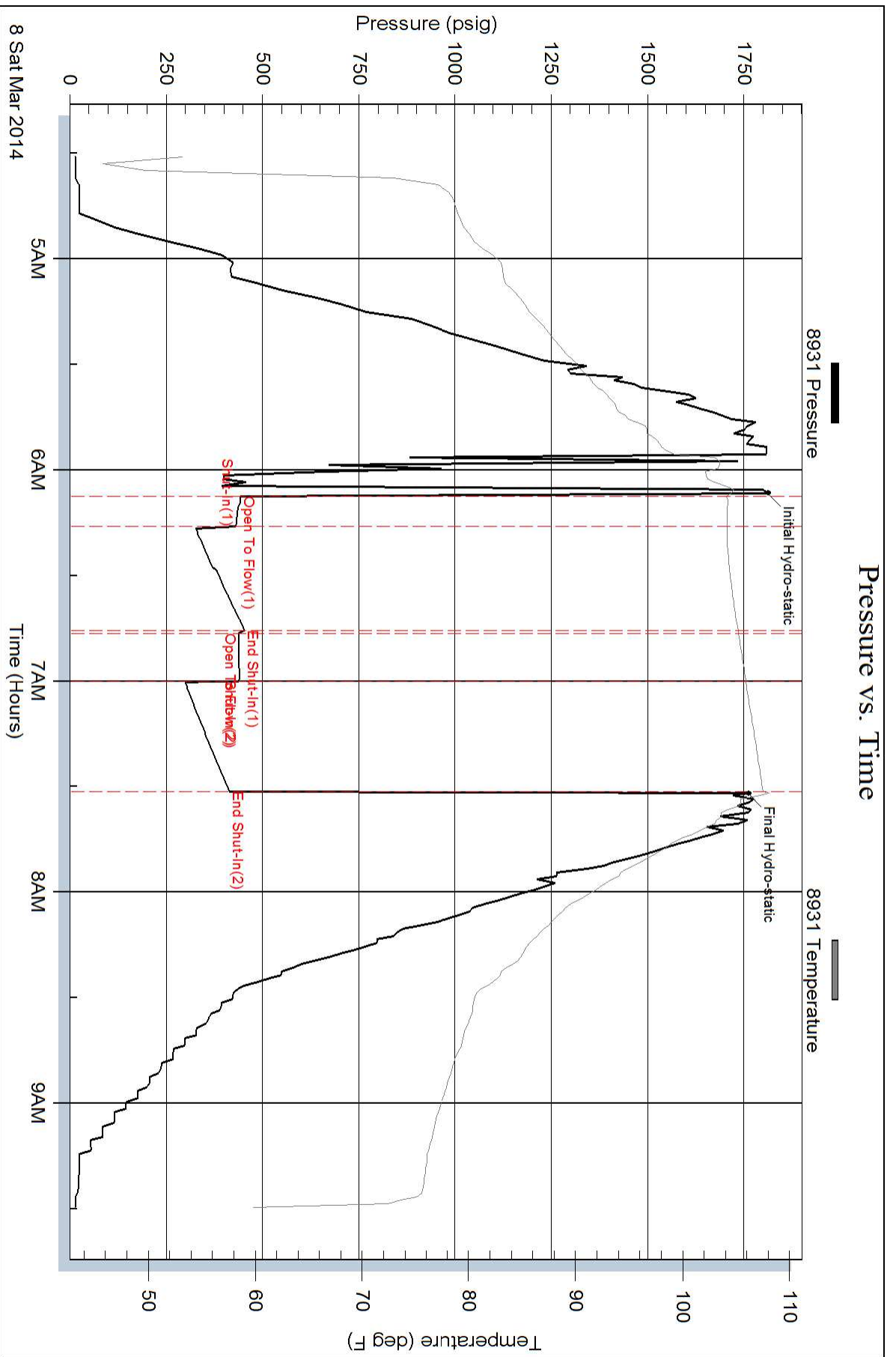
Recovery Information

Recovery Table

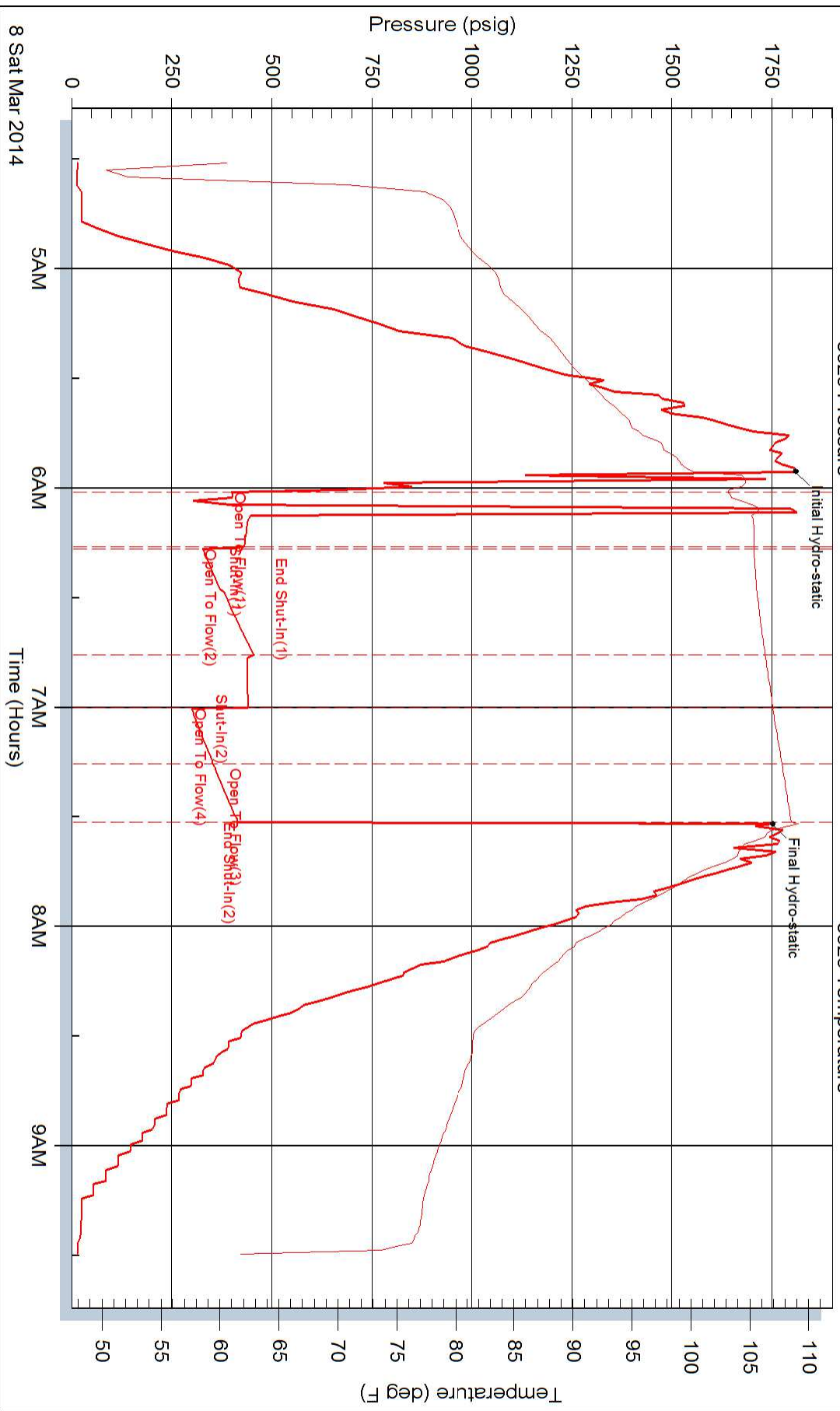
Length ft	Description	Volume bbl
427.00	Mud 100%	5.990

Total Length: 427.00 ft Total Volume: 5.990 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.09 @ 07:19:00

End Date: 2014.03.09 @ 13:50:30

Job Ticket #: 19272 DST #: 7

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.09 @ 15:01:58



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19272 **DST#: 7**
 Test Start: 2014.03.09 @ 07:19:00

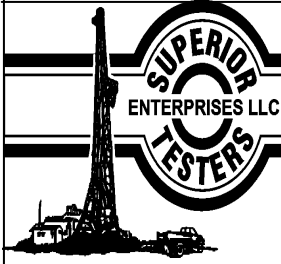
Tool Information

Drill Pipe:	Length: 3616.00 ft	Diameter: 3.80 inches	Volume: 50.72 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 50.72 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3614.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3591.00	
Hydraulic tool	5.00			3596.00	
Jars	6.00			3602.00	
Safety Joint	2.00			3604.00	
Top Packer	5.00			3609.00	
Packer	5.00			3614.00	28.00 Bottom Of Top Packer
Perforations	6.00			3620.00	
Recorder	0.00	8931	Inside	3620.00	
Recorder	0.00	8525	Outside	3620.00	
Bull Plug	5.00			3625.00	11.00 Anchor Tool
Total Tool Length:	39.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19272 **DST#: 7**
Test Start: 2014.03.09 @ 07:19:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.60 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Gassy mud 100%	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19272 **DST#: 7**
Test Start: 2014.03.09 @ 07:19:00

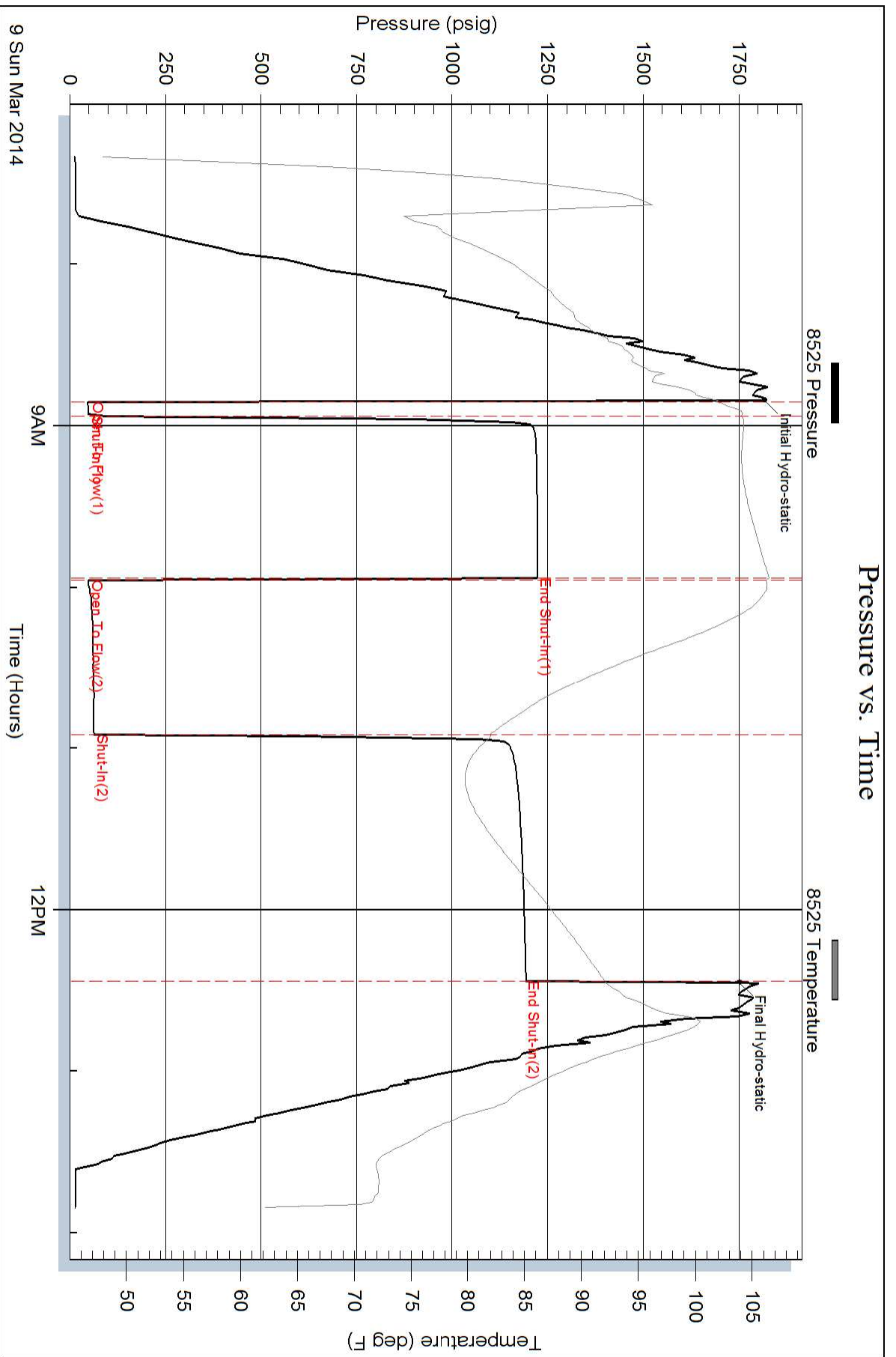
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

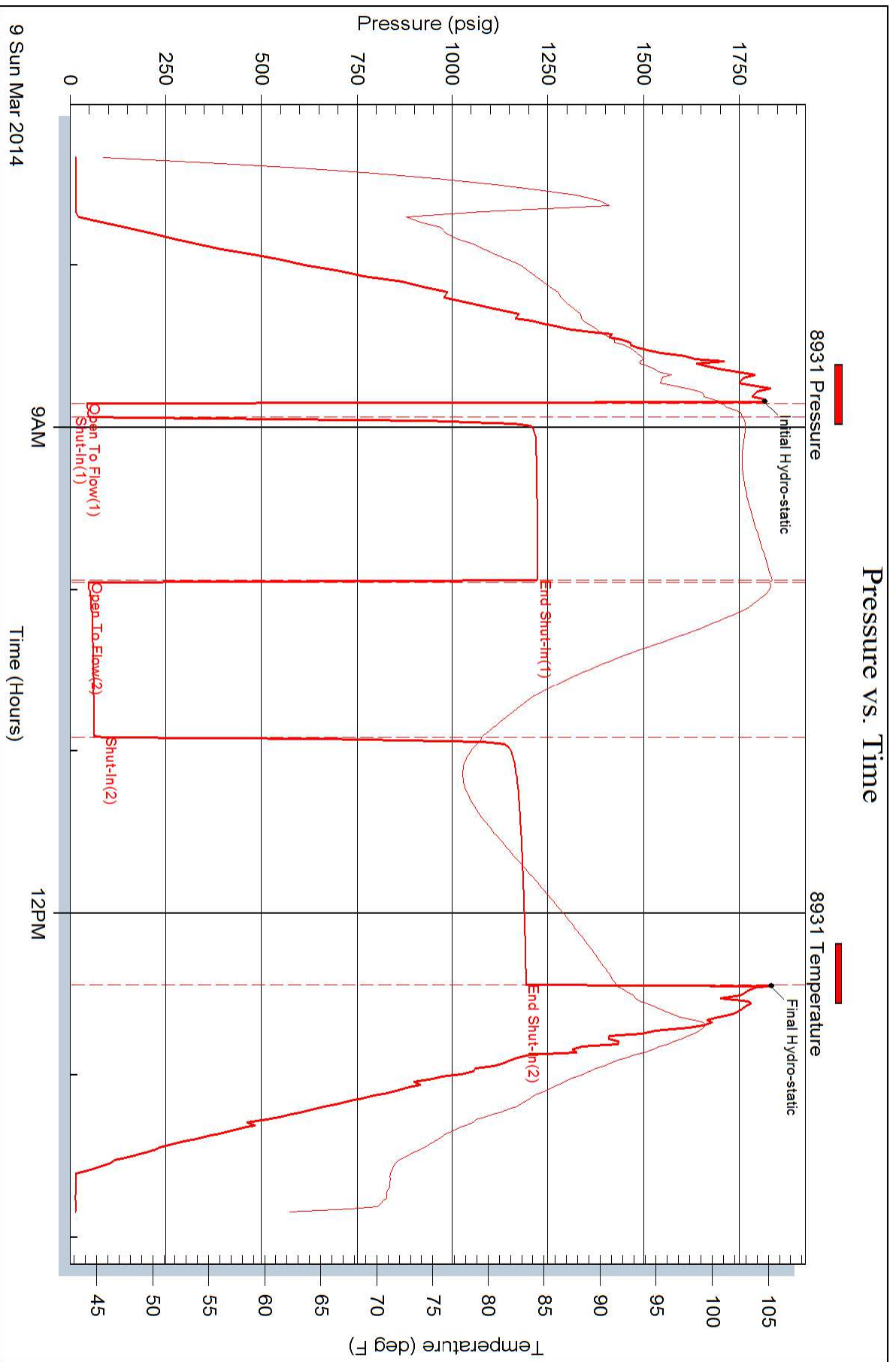
Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	5	0.25	9.00	37.12
2	5	0.25	9.00	37.12
2	10	0.38	8.00	82.06
2	20	0.50	0.50	100.51
2	30	0.50	4.00	124.12
2	40	0.50	5.00	130.87
2	50	0.50	7.10	145.03

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central Ste 100
Wichita Kansas 67206

ATTN: Rene Husted

Rudiger 1-7

7-20s-14w-Barton

Start Date: 2014.03.09 @ 08:53:00

End Date: 2014.03.09 @ 15:23:30

Job Ticket #: 19273 DST #: 8

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2014.03.10 @ 04:45:59



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company
 9431 East Central Ste 100
 Wichita Kansas 67206
 ATTN: Rene Husted

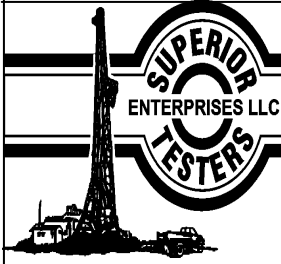
7-20s-14w-Barton
Rudiger 1-7
 Job Ticket: 19273 **DST#: 8**
 Test Start: 2014.03.09 @ 08:53:00

Tool Information

Drill Pipe:	Length: 3607.00 ft	Diameter: 3.80 inches	Volume: 50.60 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 50.60 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3625.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3602.00	
Hydraulic tool	5.00			3607.00	
Jars	6.00			3613.00	
Safety Joint	2.00			3615.00	
Top Packer	5.00			3620.00	
Packer	5.00			3625.00	28.00 Bottom Of Top Packer
Perforations	5.00			3630.00	
Recorder	0.00	8931	Inside	3630.00	
Recorder	0.00	8525	Outside	3630.00	
Bull Plug	5.00			3635.00	10.00 Anchor Tool
Total Tool Length:	38.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19273 **DST#: 8**
Test Start: 2014.03.09 @ 08:53:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6200.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
29.00	Water 100%	0.407
0.00	Chlorides 28,000.4ohms@56degrees	0.000

Total Length: 29.00 ft Total Volume: 0.407 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



DRILL STEM TEST REPORT

GAS RATES

F G Holl Company
9431 East Central Ste 100
Wichita Kansas 67206
ATTN: Rene Husted

7-20s-14w-Barton
Rudiger 1-7
Job Ticket: 19273 **DST#: 8**
Test Start: 2014.03.09 @ 08:53:00

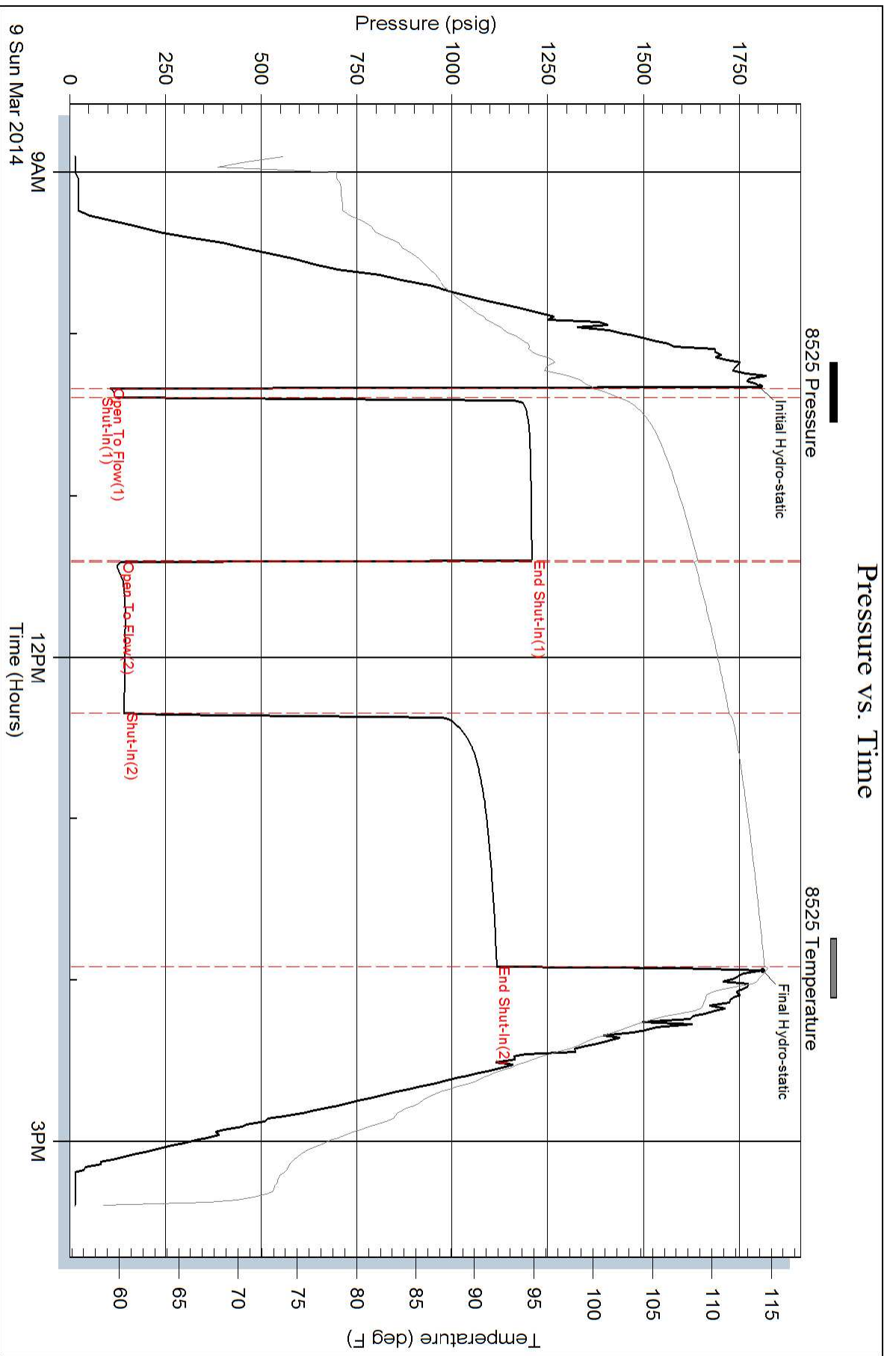
Gas Rates Information

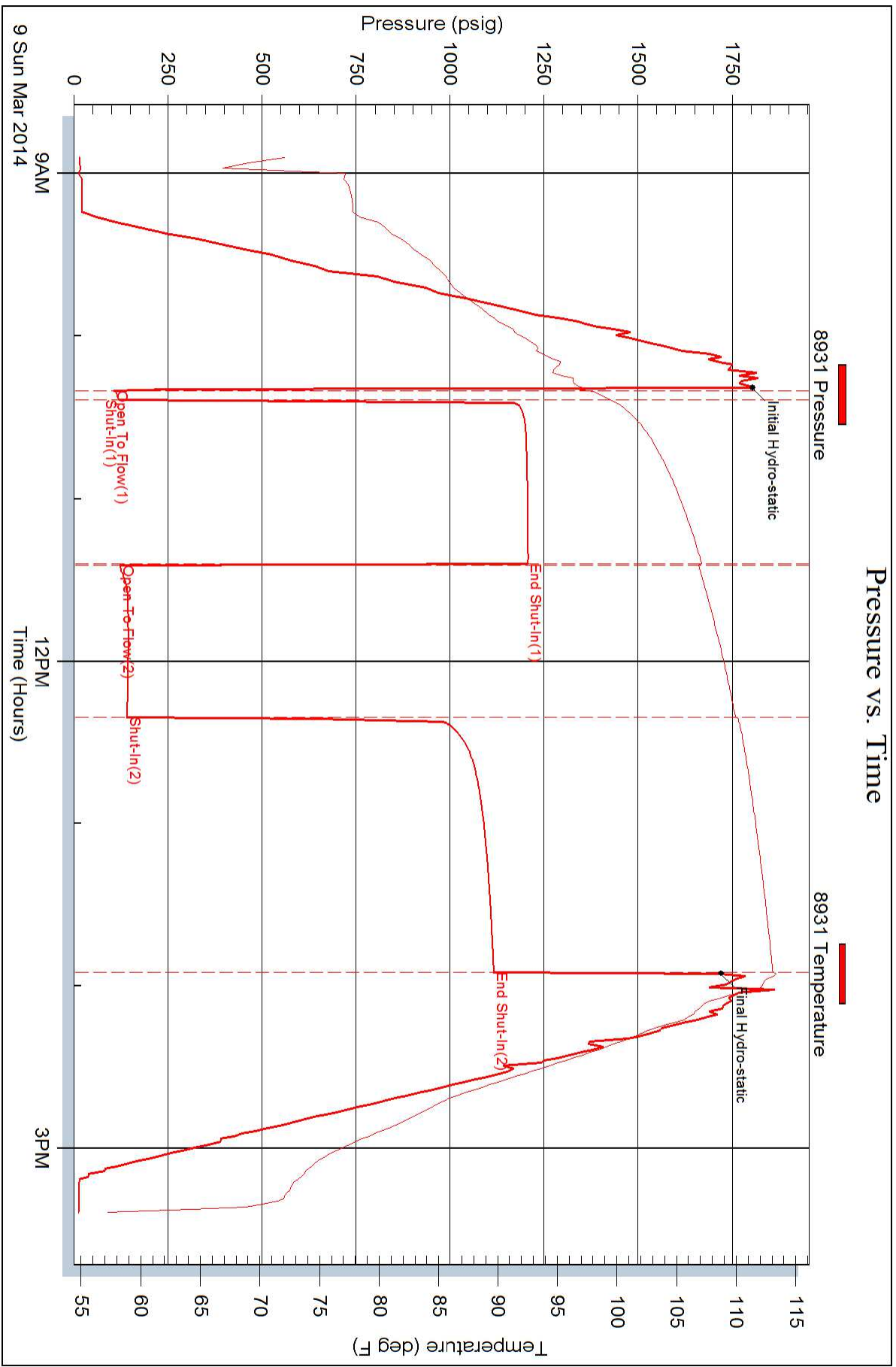
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	9.50	161.22
2	20	0.50	37.00	346.73
2	30	0.75	12.00	412.36
2	40	0.75	7.50	342.07
2	50	0.75	7.50	342.07
2	50	0.75	7.50	342.07

Pressure vs. Time





BASICSM

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 ~~10098~~ A
(WELL) WELLS

DATE _____ TICKET NO. 10097

DATE OF JOB <u>12-11-14</u> DISTRICT <u>Pratt, KS</u>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:	
CUSTOMER <u>F. O. Hull</u>		LEASE <u>Ruigel</u> 1-7 WELL NO.	
ADDRESS _____		COUNTY <u>BARTON</u> STATE <u>KS</u>	
CITY _____ STATE _____		SERVICE CREW <u>Sullivan, Garver, Hardy</u>	
AUTHORIZED BY _____		JOB TYPE: _____	

EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
						ARRIVED AT JOB				
						START OPERATION				
						FINISH OPERATION				
						RELEASED				
						MILES FROM STATION TO WELL				

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: [Signature]
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
C 100	pick up	mi	65		
C 101	Year 5 int	mi	130		
C 113	B. H. Delivery	TM	595		
PE 204	Depth change 3000 ft	SA	1		
PE 240	Blowdown	SK	200		
CE 501	CASING SERVICE	SA	1		
PE 504	Plug/Kid-tension	SA	1		
S 003	Spur	SA	1		

CHEMICAL / ACID DATA:			

SUB TOTAL		<u>16</u>
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		<u>[Signature]</u>

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u>
FIELD SERVICE ORDER NO. _____	(WELL OWNER OPERATOR CONTRACTOR OR AGENT)



Energy services, L.P.

TREATMENT REPORT

Customer 2.9 Hull	Lease No.	Date
Lease Ind. 102	Well # 1-7	
Field Order # 10097	Station Pratt	Casing 5 1/2
		Depth 3847
Type Job CNW 5 1/2 completion	Formation	Legal Description 7-20-14
		County BARTON
		State KS

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2								
Depth 3847	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 93	Volume	From	To	Pad	Min		10 Min.	
Max Press 2020	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P-2	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 5823	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager DAVE Scott	Treater Robert J. ...
-------------------------	-----------------------------------	------------------------------

Service Units	27900	33708	20970	19959	73768				
Driver Names	Fuller	GRANKS	Hambly						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:45					on track, soft, mostly
					Run 5 1/2 14" esp.
5:40					CASING on Bottom
5:50					Hook by circ. esp.
7:55	250		5	3.5	4 SPACER
			12		mix Super Flush
			5		SPACER
			8	4.5	mix 23% spacer cut
			31		mix Tail cut / 25% spacer cut
					cut mixed shut down wash liner, pump
					Release Plug
					4 1/2" Plug
					LF PS
					4 1/2" Plug
	500				Plug down
8:30	1500		93		Plug RT 20% spacer cut
			7		Plug MH 20%
			5		300 Complete



193858

PAGE 1 of 1	CUST NO 1001376	INVOICE DATE 03/01/2014
INVOICE NUMBER 1718 - 91426503		

Pratt (620) 672-1201
 B F.G. HOLL COMPANY LLC
 I PO Box: 308
 L ELLINWOOD
 L KS US 67526
 T
 O ATTN: ACCOUNTS PAYABLE

J LEASE NAME Rudiger 1-7
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T
 E JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40696987	19905		Net - 30 days	03/31/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 02/28/2014 to 02/28/2014</i>				
0040696987				
171810132A Cement-New Well Casing/Pi 02/28/2014				
Cement 8,5/8 Surface				
A-Con Blend Common	200.00	EA	13.68	
Common Cement	200.00	EA	12.16	
Celloflake	100.00	EA	2.81	
Calcium Chloride	940.00	EA	0.80	
"Top Rubber Cmt Plug, 8 5/8""	1.00	EA	171.00	
"Centralizer, 8 5/8" (Blue)"	3.00	EA	68.40	
"Unit Mileage Chg (PU, cars one way)"	65.00	MI	3.23	
Heavy Equipment Mileage	130.00	MI	5.32	
"Proppant & Bulk Del. Chgs., per ton mil	1,222.00	EA	1.22	
Depth Charge; 501'-1000'	1.00	EA	912.00	
Blending & Mixing Service Charge	400.00	BAG	1.06	
Plug Container Util. Chg.	1.00	EA	190.00	
"Service Supervisor, first 8 hrs on loc.	1.00	EA	133.00	133.00

PAID
 MAR 26 2014
 BY: 068855

RECEIVED
 MAR 04 2014
 ROB LONG

405-1050

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL
BASIC ENERGY SERVICES, LP PO BOX 841903 DALLAS, TX 75284-1903	BASIC ENERGY SERVICES, LP 801 CHERRY ST, STE 2100 FORT WORTH, TX 76102	TAX
		INVOICE TOTAL



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 10132 A

T-205-14W

DATE _____ TICKET NO. _____

DATE OF JOB: 2-28-14	DISTRICT: Pratt, Kansas	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER: F. G. Holl Company, LLC.		LEASE: Rvdiger		WELL NO: 1-7				
ADDRESS:		COUNTY: Barton		STATE: Kansas				
CITY:		STATE:		SERVICE CREW: C. Messick; M. McGraw; T. Truemin				
AUTHORIZED BY:		JOB TYPE: C.N.W. - Surface						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	TIME
37,286	1.25					2-28-14	PM	1:30
						ARRIVED AT JOB		PM 4:00
77,686-19,905	1.25					START OPERATION		PM 6:00
						FINISH OPERATION		PM 7:15
19,959-73,768	1.25					RELEASED	2-28-14	PM 7:30
						MILES FROM STATION TO WELL		65

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: Deon Vasquez
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP101	Acon Blend Cement	sk	200		\$
CP100C	Common cement	sk	200		\$
CC102	Cellflatre	Lb	100		\$
CC109	Calcium Chloride	Lb	940		\$
CF105	Top Rubber Plug, 8 5/8"	ea	1		\$
CF1753	Centralizer, 8 5/8"	ea	3		\$
E100	Pick up Mileage	mi	65		\$
E101	Heavy Equipment Mileage	mi	130		\$
E113	Built Delivery	tm	1,222		\$
CE201	Cement Pump: 50 Feet To 1,000 Feet	hrs	4		\$
CE240	Blending and Mixing Service	sk	400		\$
CE504	Plug Container	Job	1		\$
S003	Service Supervisor	hrs	8		\$

CHEMICAL / ACID DATA:			

SUB TOTAL	\$
SERVICE & EQUIPMENT	% TAX ON \$ <u>BW</u>
MATERIALS	% TAX ON \$
TOTAL	

SERVICE REPRESENTATIVE: Deon R. Vasquez THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Deon Vasquez
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____