



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1159043
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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

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
- 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: _____



1159043

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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	FARTHING 2-32
Doc ID	1159043

All Electric Logs Run

DIL
CDL/CNL
BHCS
Microresistivity
fracfinder
CPI
Sonic cement bond log

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	FARTHING 2-32
Doc ID	1159043

Tops

Name	Top	Datum
Herrington	1938	+48
Winfield	1989	-3
Towanda	2061	-75
Fort Riley	2013	-117
B/Florence	2201	-215
Kinney Ls	2216	-230
Wrefold	2246	-260
Council Grove	2268	-282
Crouse	2309	-323
Neva	2448	-462
Red Eagle	2506	-520
Onaga Shale	2666	-680
Wabaunsee	2687	-701
Root Shale	2757	-771
Stotler	2815	-829
Tarkio	2877	-891
Howard	3022	-1036
Severy Shale	3072	-1086
Topeka	3106	-1120
Heebner	3388	-1402
Toronto	3406	-1420
Douglas Sh	3421	-1435
Brown Lime	3502	-1516
LKC	3511	-1525

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	FARTHING 2-32
Doc ID	1159043

Tops

Name	Top	Datum
Drum	3635	-1649
BKC	3745	-1759
Conglomerate	3763	-1777
Viola	3843	-1857
Arbuckle	3938	-1952
RTD	4050	-2064

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

September 19, 2013

Franklin R. Greenbaum
F. G. Holl Company L.L.C.
9431 E CENTRAL STE 100
WICHITA, KS 67206-2563

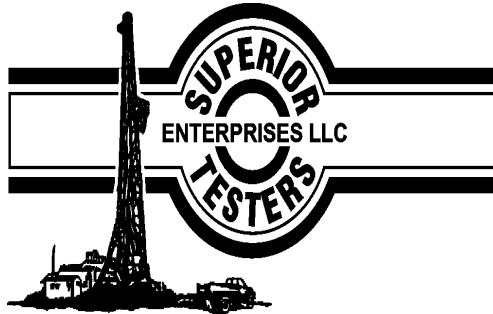
Re: ACO1
API 15-145-21730-00-00
FARTHING 2-32
NE/4 Sec.32-21S-15W
Pawnee County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Franklin R. Greenbaum



DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206 2563

ATTN: Rene Husted

Farthing #2-32

32-21s-15w Pawnee

Start Date: 2013.09.04 @ 00:00:00

End Date: 2013.09.04 @ 00:00:00

Job Ticket #: 17082 DST #: 1

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

Printed: 2013.09.05 @ 14:42:59

F.G.Holl Company LLC

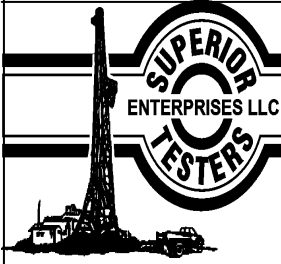
32-21s-15w Pawnee

Farthing #2-32

DST # 1

Kansas City "B"

2013.09.04



DRILL STEM TEST REPORT

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17082

DST#: 1

ATTN: Rene Husted

Test Start: 2013.09.04 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3536.00 ft (KB) To 3551.00 ft (KB) (TVD)

Reference Elevations: 1985.00 ft (KB)

Total Depth: 3551.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6148 Outside

Press@RunDepth: 1661.05 psia @ 3548.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.05

End Date:

2013.09.05

Last Calib.:

2013.09.05

Start Time:

02:09:37

End Time:

07:25:37

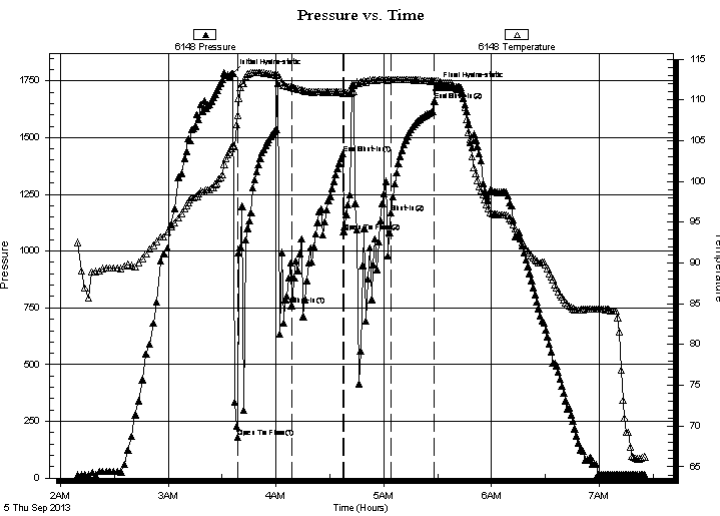
Time On Btm:

2013.09.05 @ 03:36:07

Time Off Btm:

2013.09.05 @ 05:29:07

TEST COMMENT: 1st Openig 30 Minutes-good blow died off flushed tool good surge died off
1st Shut-In 30 Minutes -No blow back
2nd Opening 15 Minutes-No blow flushed tool good surge built to 3 inches and died
2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

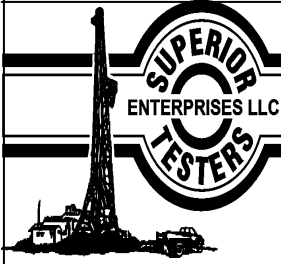
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1780.85	104.44	Initial Hydro-static
3	179.51	108.14	Open To Flow (1)
33	760.82	111.50	Shut-In(1)
61	1427.91	110.95	End Shut-In(1)
62	1087.12	110.77	Open To Flow (2)
88	1167.63	112.47	Shut-In(2)
112	1661.05	112.31	End Shut-In(2)
113	1722.80	112.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	thick heavy mud	2.52

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17082

DST#: 1

ATTN: Rene Husted

Test Start: 2013.09.04 @ 00:00:00

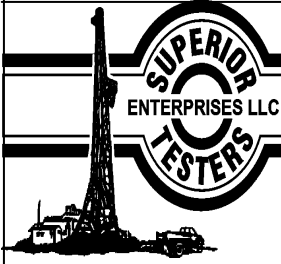
Tool Information

Drill Pipe:	Length: 3531.00 ft	Diameter: 3.80 inches	Volume: 49.53 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: 54000.00 lb
			<u>Total Volume: 49.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3536.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	43.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3513.00	
Hydraulic Tool	5.00			3518.00	
Safety Joint	2.00			3520.00	
Jars	6.00			3526.00	
Packer	5.00			3531.00	28.00 Bottom Of Top Packer
Packer	5.00			3536.00	
Anchor	10.00			3546.00	
Recorder	1.00	6663	Inside	3547.00	
Recorder	1.00	6148	Outside	3548.00	
Bullnose	3.00			3551.00	15.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17082

DST#: 1

ATTN: Rene Husted

Test Start: 2013.09.04 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	thick heavy mud	2.525

Total Length: 180.00 ft Total Volume: 2.525 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

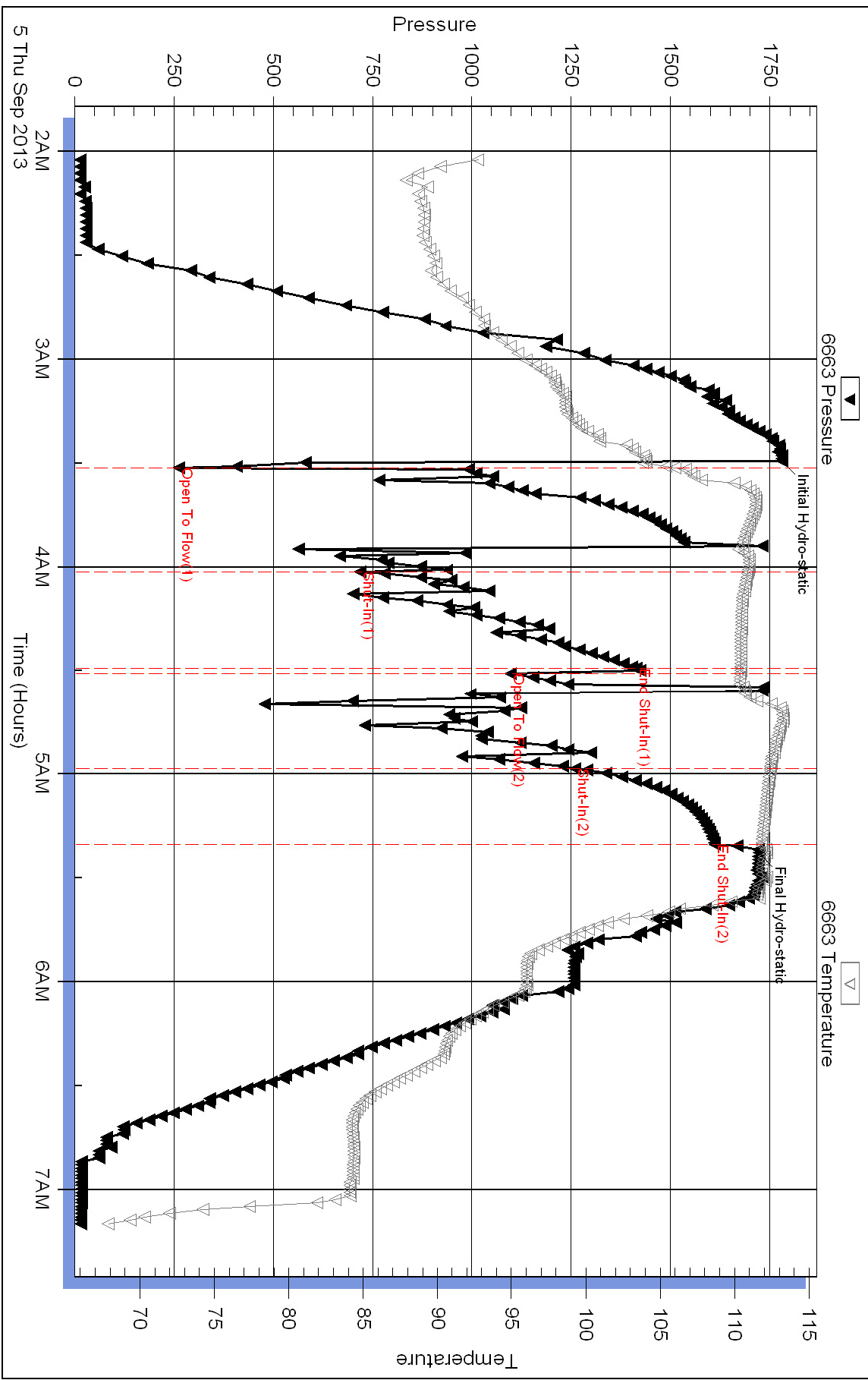
Serial #:

Laboratory Name:

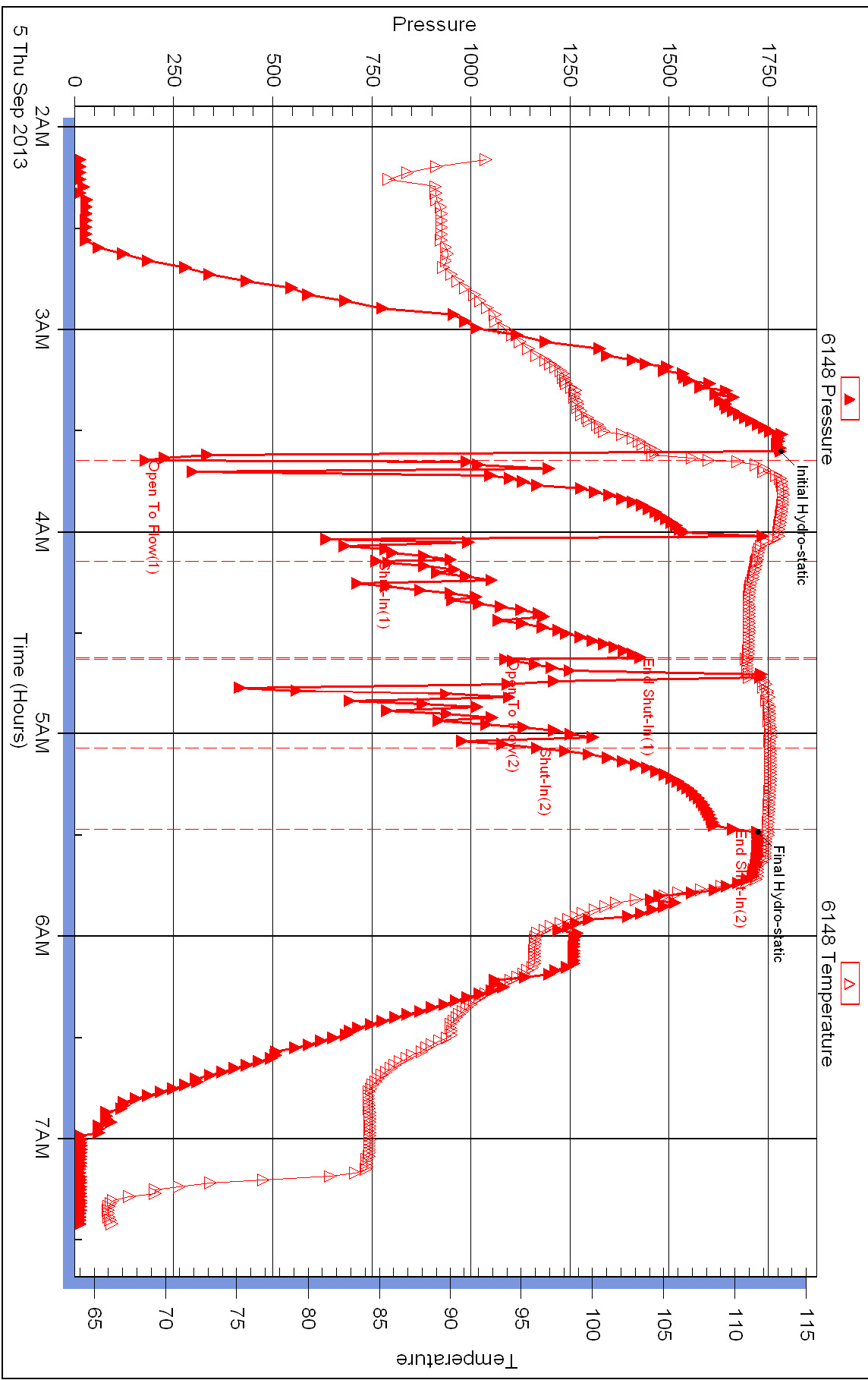
Laboratory Location:

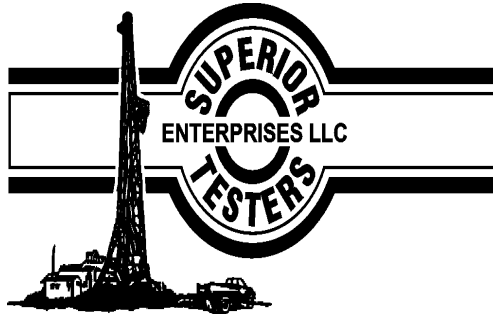
Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206 2563

ATTN: Rene Husted

Farthing #2-32

32-21s-15w Pawnee

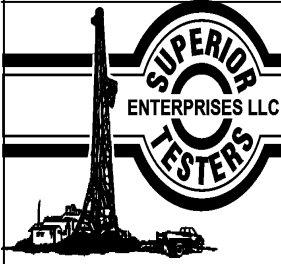
Start Date: 2013.09.05 @ 00:00:00

End Date: 2013.09.05 @ 00:00:00

Job Ticket #: 17083 DST #: 2

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

Printed: 2013.09.05 @ 16:13:22



DRILL STEM TEST REPORT

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17083

DST#: 2

ATTN: Rene Husted

Test Start: 2013.09.05 @ 00:00:00

GENERAL INFORMATION:

Formation: **kansas City "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene budig

Unit No: 3335

Interval: 3529.00 ft (KB) To 3557.00 ft (KB) (TVD)

Reference Elevations: 1985.00 ft (KB)

Total Depth: 3557.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6663

Inside

Press@RunDepth: 1265.26 psia @ 3552.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.05

End Date:

2013.09.05

Last Calib.:

2013.09.05

Start Time: 09:00:00

End Time:

15:51:00

Time On Btm:

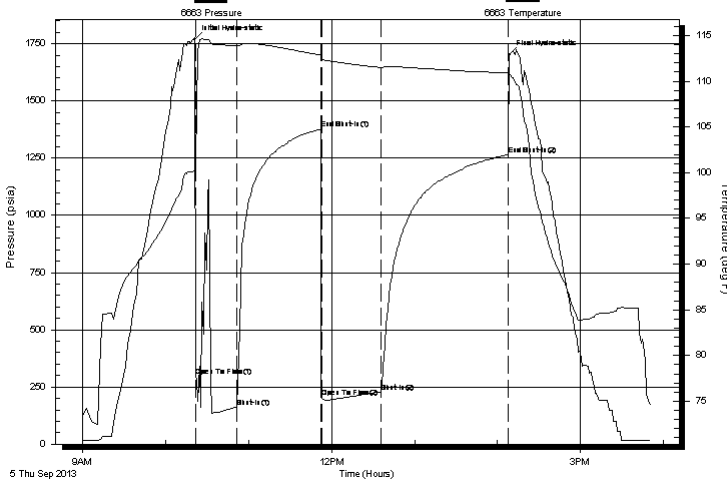
2013.09.05 @ 10:21:30

Time Off Btm:

2013.09.05 @ 14:08:30

TEST COMMENT: 1st Opening 30 Minutes WEak blow built to the bottom of a 5 gallon bucket in 145 minutes
1st Shut-In 60 Minutes- No blow back
2nd Opening 45 Minutes Weak building blow built to the bottom of a 5 gallon bucket in 35 minutes
2nd Shut-In 90 Minutes-No blow back

Pressure vs. Time



PRESSURE SUMMARY

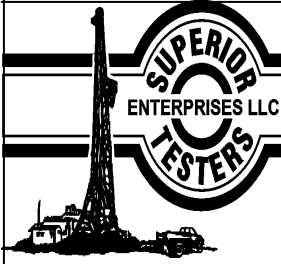
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1770.01	100.24	Initial Hydro-static
1	295.59	101.41	Open To Flow (1)
30	162.82	113.82	Shut-In(1)
91	1377.29	112.85	End Shut-In(1)
92	206.34	112.42	Open To Flow (2)
135	228.65	111.50	Shut-In(2)
227	1265.26	110.90	End Shut-In(2)
227	1701.87	110.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Gas in the pipe	1.40
120.00	gas cut w atery mud w ith a trace of oil	1.68
0.00	10% Gas 1%Oil 70%Mud 20%Water	0.00
120.00	gas cut Muddy w ater w ith a trace of oil	1.68
0.00	14%Gas 1% Oil 50%Mud 35%w ate	0.00
60.00	gas cut muddy water w ith a trace of oil	0.84

Gas Rates

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



DRILL STEM TEST REPORT

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17083

DST#: 2

ATTN: Rene Husted

Test Start: 2013.09.05 @ 00:00:00

GENERAL INFORMATION:

Formation: **kansas City "B"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene budig

Unit No: 3335

Interval: 3529.00 ft (KB) To 3557.00 ft (KB) (TVD)

Reference Elevations: 1985.00 ft (KB)

Total Depth: 3557.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6748 Outside

Press@RunDepth: 1267.84 psia @ 3553.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.05

End Date: 2013.09.05

Last Calib.: 2013.09.05

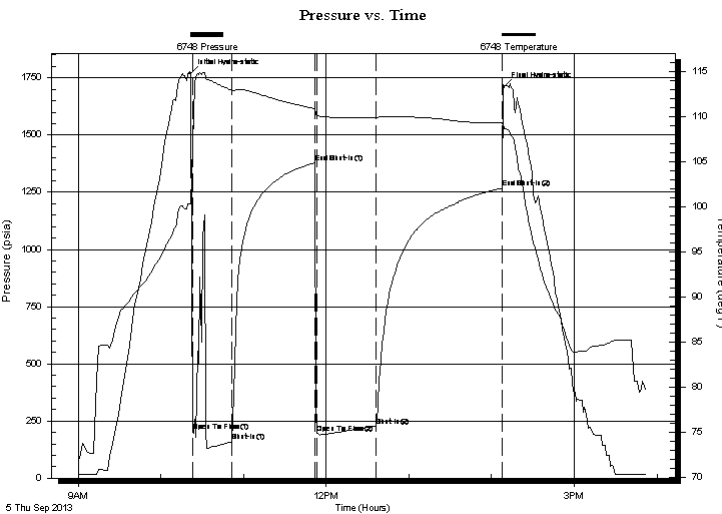
Start Time: 09:00:00

End Time: 15:52:30

Time On Btm: 2013.09.05 @ 10:21:30

Time Off Btm: 2013.09.05 @ 14:09:00

TEST COMMENT: 1st Opening 30 Minutes WEak blow built to the bottom of a 5 gallon bucket in 145 minutes
1st Shut-In 60 Minutes- No blow back
2nd Opening 45 Minutes Weak building blow built to the bottom of a 5 gallon bucket in 35 minutes
2nd Shut-In 90 Minutes-No blow back



PRESSURE SUMMARY

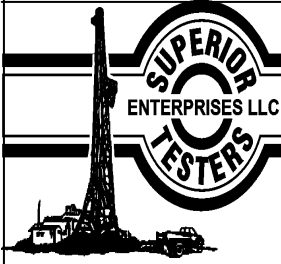
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1769.73	100.33	Initial Hydro-static
2	203.25	106.94	Open To Flow (1)
30	159.65	112.86	Shut-In(1)
91	1378.76	110.84	End Shut-In(1)
92	194.87	110.09	Open To Flow (2)
135	227.71	109.83	Shut-In(2)
227	1267.84	109.26	End Shut-In(2)
228	1712.28	108.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	Gas in the pipe	1.40
120.00	gas cut w atery mud w ith a trace of oil	1.68
0.00	10% Gas 1%Oil 70%Mud 20%Water	0.00
120.00	gas cut Muddy w ater w ith a trace of oil	1.68
0.00	14%Gas 1% Oil 50%Mud 35%w ate	0.00
60.00	gas cut muddy water w ith a trace of oil	0.84

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17083

DST#: 2

ATTN: Rene Husted

Test Start: 2013.09.05 @ 00:00:00

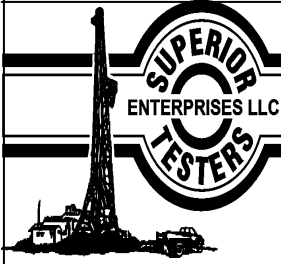
Tool Information

Drill Pipe:	Length: 3531.00 ft	Diameter: 3.80 inches	Volume: 49.53 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: 58000.00 lb
			<u>Total Volume: 49.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3529.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	27.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3506.00	
Hydraulic Tool	5.00			3511.00	
Safety Joint	2.00			3513.00	
Jars	6.00			3519.00	
Packer	5.00			3524.00	28.00 Bottom Of Top Packer
Packer	5.00			3529.00	
Anchor	22.00			3551.00	
Recorder	1.00	6663	Inside	3552.00	
Recorder	1.00	6748	Outside	3553.00	
Bullnose	3.00			3556.00	27.00 Bottom Packers & Anchor
Total Tool Length:	55.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17083

DST#: 2

ATTN: Rene Husted

Test Start: 2013.09.05 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 8.79 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	Gas in the pipe	1.403
120.00	gas cut watery mud with a trace of oil	1.683
0.00	10% Gas 1%Oil 70%Mud 20%Water	0.000
120.00	gas cut Muddy water with a trace of oil	1.683
0.00	14%Gas 1% Oil 50%Mud 35%w ate	0.000
60.00	gas cut muddy water with a trace of oil	0.842
0.00	9%Gas 1%Oil 35%Mud 55%Water	0.000
60.00	muddy water with a trace of oil	0.842
0.00	1%oL 30%muD 69%w ater	0.000

Total Length: 460.00 ft Total Volume: 6.453 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

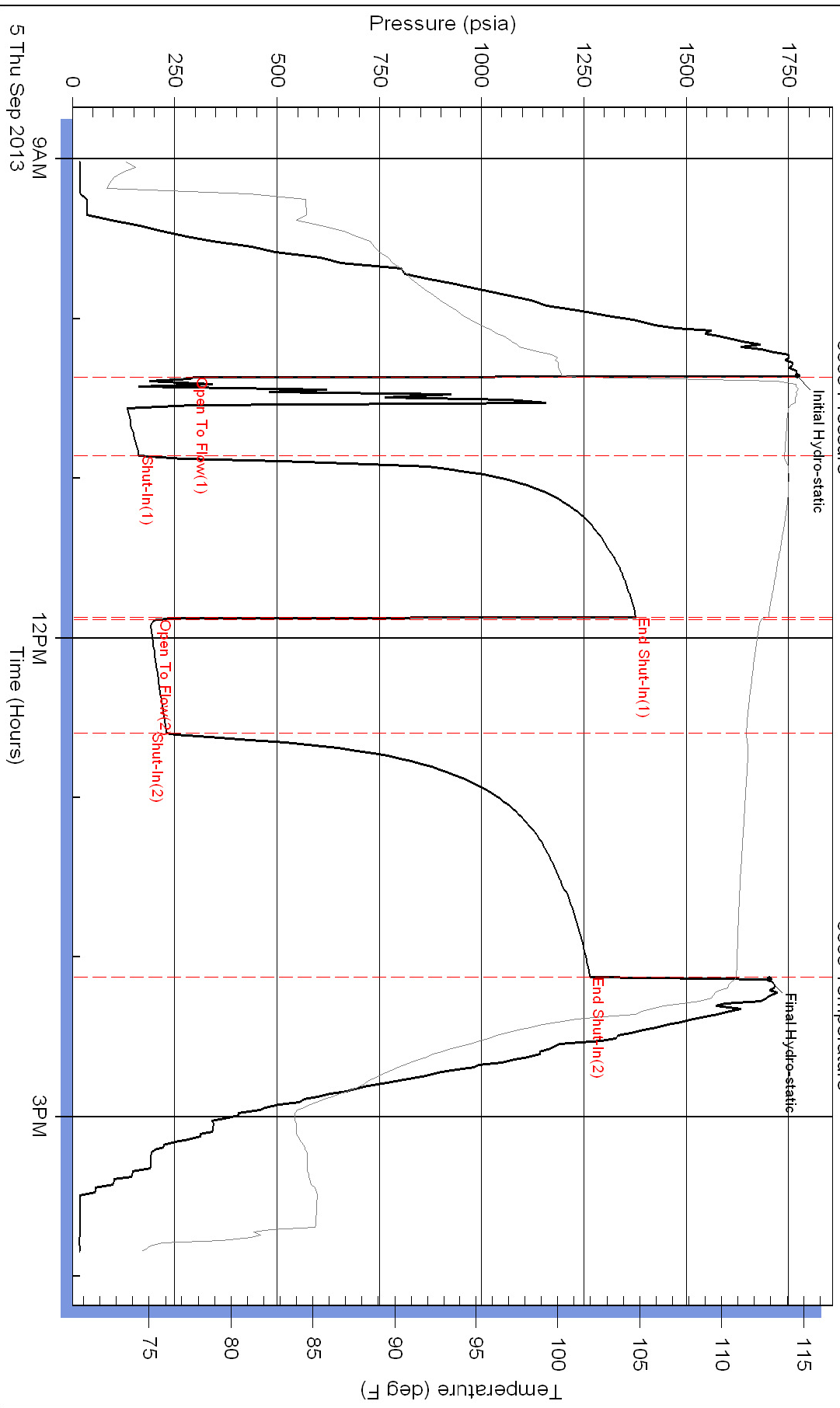
Serial #:

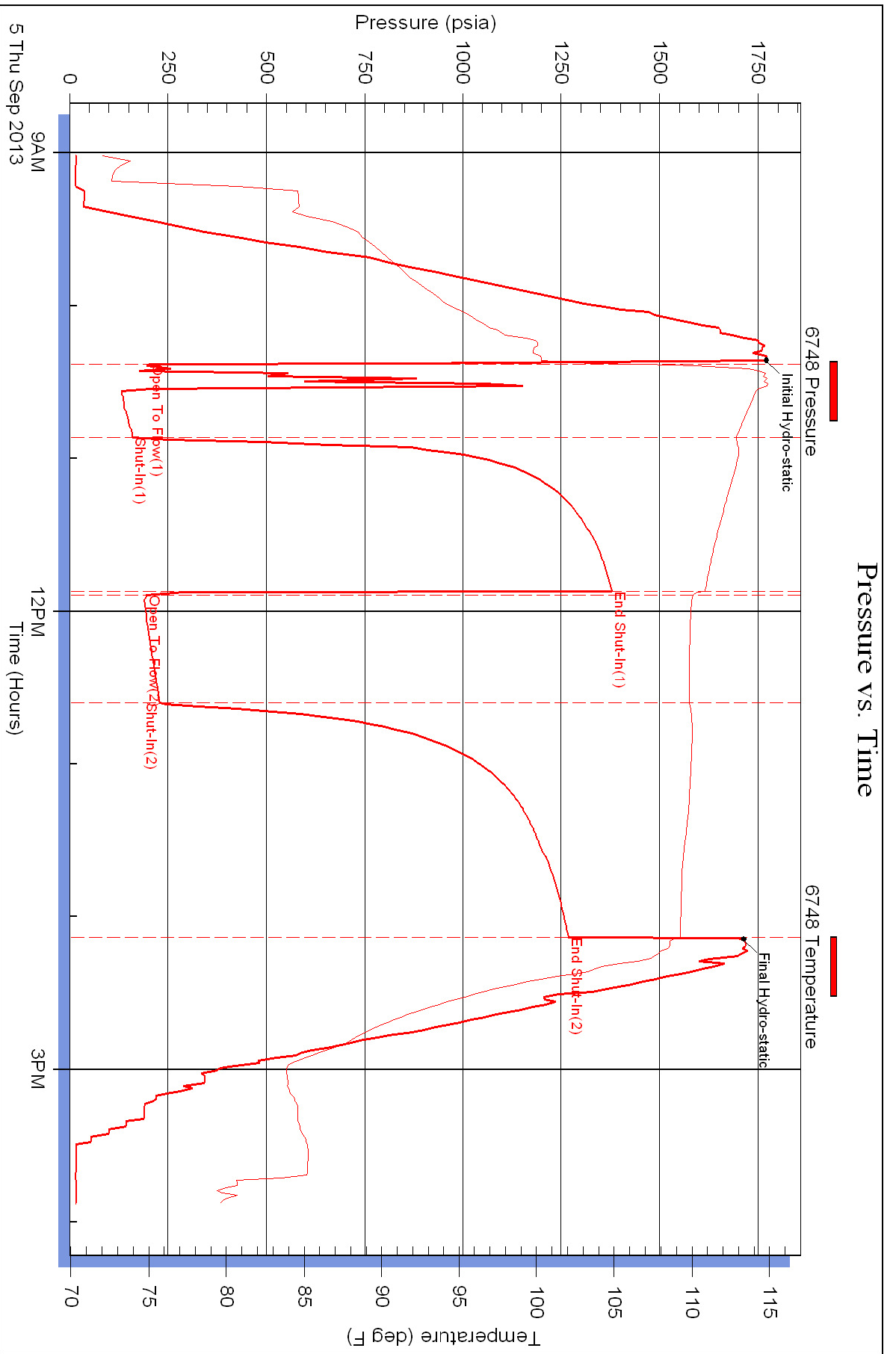
Laboratory Name:

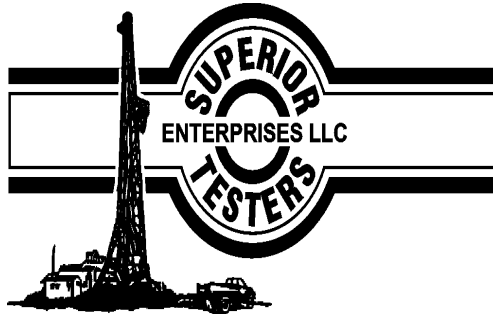
Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206 2563

ATTN: Rene Husted

Farthing #2-32

32-21s-15w Pawnee

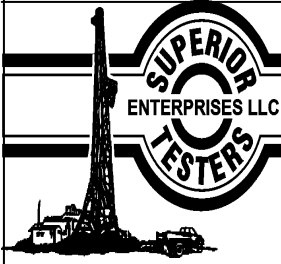
Start Date: 2013.09.06 @ 00:00:00

End Date: 2013.09.06 @ 00:00:00

Job Ticket #: 17084 DST #: 3

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

Printed: 2013.09.06 @ 09:12:22



DRILL STEM TEST REPORT

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17084

DST#: 3

ATTN: Rene Husted

Test Start: 2013.09.06 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budiig

Unit No: 3335

Interval: 3624.00 ft (KB) To 3650.00 ft (KB) (TVD)

Reference Elevations: 1985.00 ft (KB)

Total Depth: 3650.00 ft (KB) (TVD)

1977.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6748 Outside

Press@RunDepth: 1167.91 psia @ 3647.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.06

End Date: 2013.09.06

Last Calib.: 2013.09.06

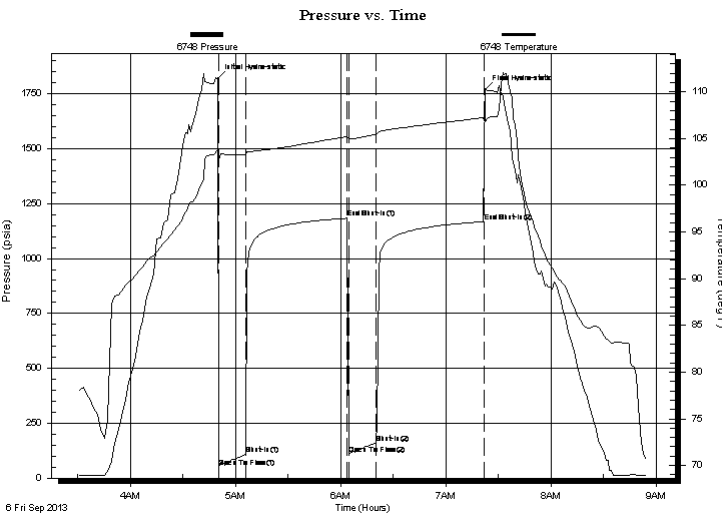
Start Time: 03:30:00

End Time: 08:55:00

Time On Btm: 2013.09.06 @ 04:50:00

Time Off Btm: 2013.09.06 @ 07:22:30

TEST COMMENT: 1st Opening 15 Minutes Weak building blow built to the bottom of 5 gallon bucket in 11 minutes
 1st Shut-In 60 Minutes-No blow back
 2nd Opening 15 Minutes Weak building blow built to the bottom of a 5 gallon bucket in 12 minutes
 2nd Shut-In 60 Minutes-No blow back



PRESSURE SUMMARY

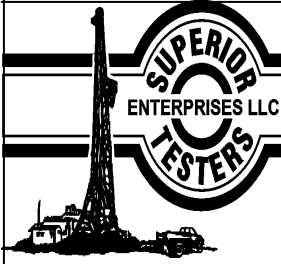
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1818.00	103.71	Initial Hydro-static
1	49.83	102.70	Open To Flow (1)
16	107.15	103.28	Shut-In(1)
74	1182.97	105.21	End Shut-In(1)
75	109.48	104.97	Open To Flow (2)
90	158.83	105.44	Shut-In(2)
152	1167.91	107.23	End Shut-In(2)
153	1767.12	106.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
240.00	Slightly muddy Water	3.37
0.00	Chlorides 76000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17084

DST#: 3

ATTN: Rene Husted

Test Start: 2013.09.06 @ 00:00:00

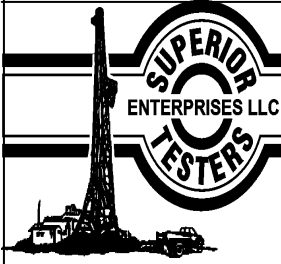
Tool Information

Drill Pipe:	Length: 3626.00 ft	Diameter: 3.80 inches	Volume: 50.86 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: 60000.00 lb
			<u>Total Volume: 50.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 49000.00 lb
Depth to Top Packer:	3624.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 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			3601.00	
Hydraulic Tool	5.00			3606.00	
Safety Joint	2.00			3608.00	
Jars	6.00			3614.00	
Packer	5.00			3619.00	28.00 Bottom Of Top Packer
Packer	5.00			3624.00	
Anchor	21.00			3645.00	
Recorder	1.00	6663	Inside	3646.00	
Recorder	1.00	6748	Outside	3647.00	
Bullnose	3.00			3650.00	26.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17084

DST#: 3

ATTN: Rene Husted

Test Start: 2013.09.06 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

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

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
240.00	Slightly muddy Water	3.367
0.00	Chlorides 76000	0.000

Total Length: 240.00 ft Total Volume: 3.367 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

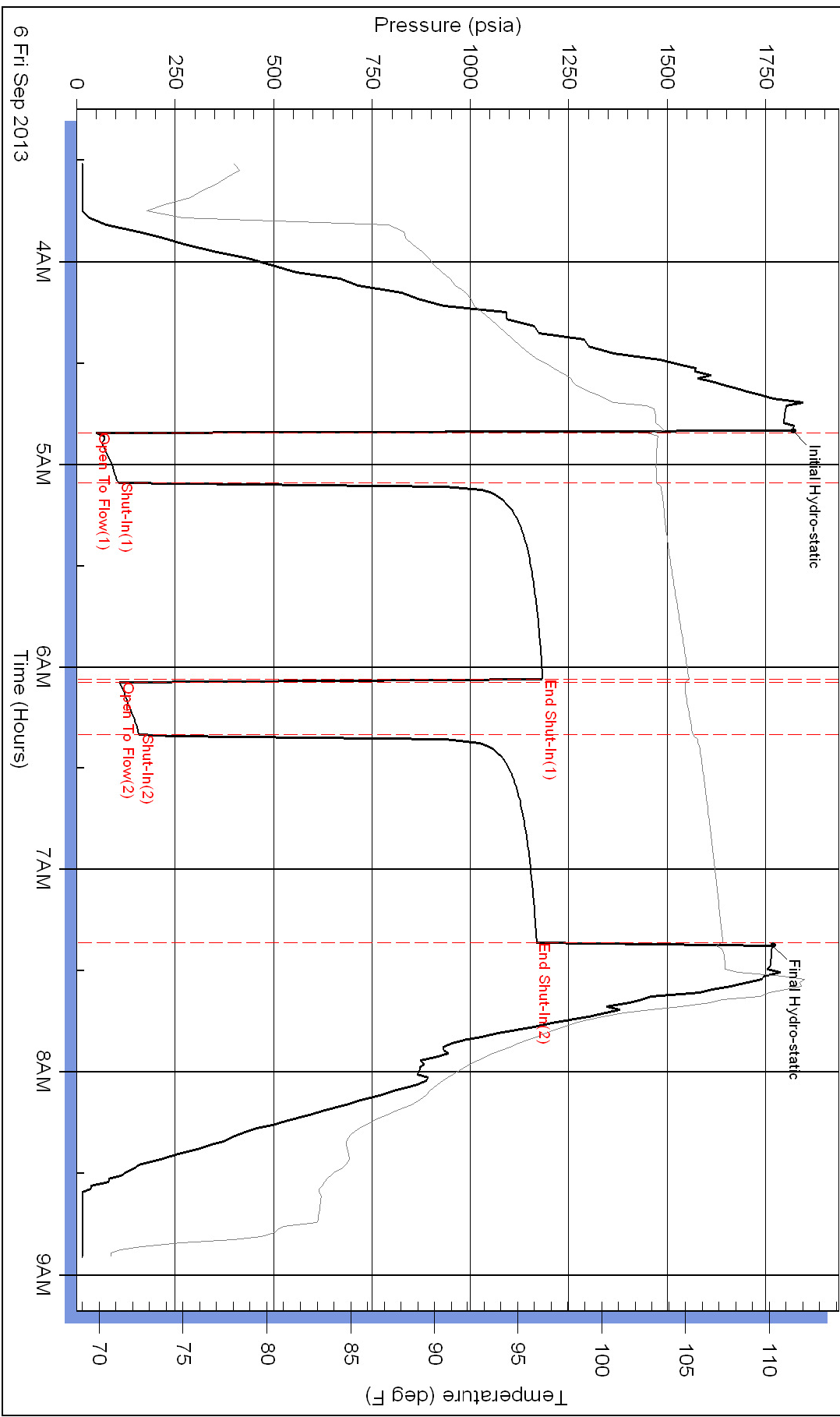
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Serial #: 6663

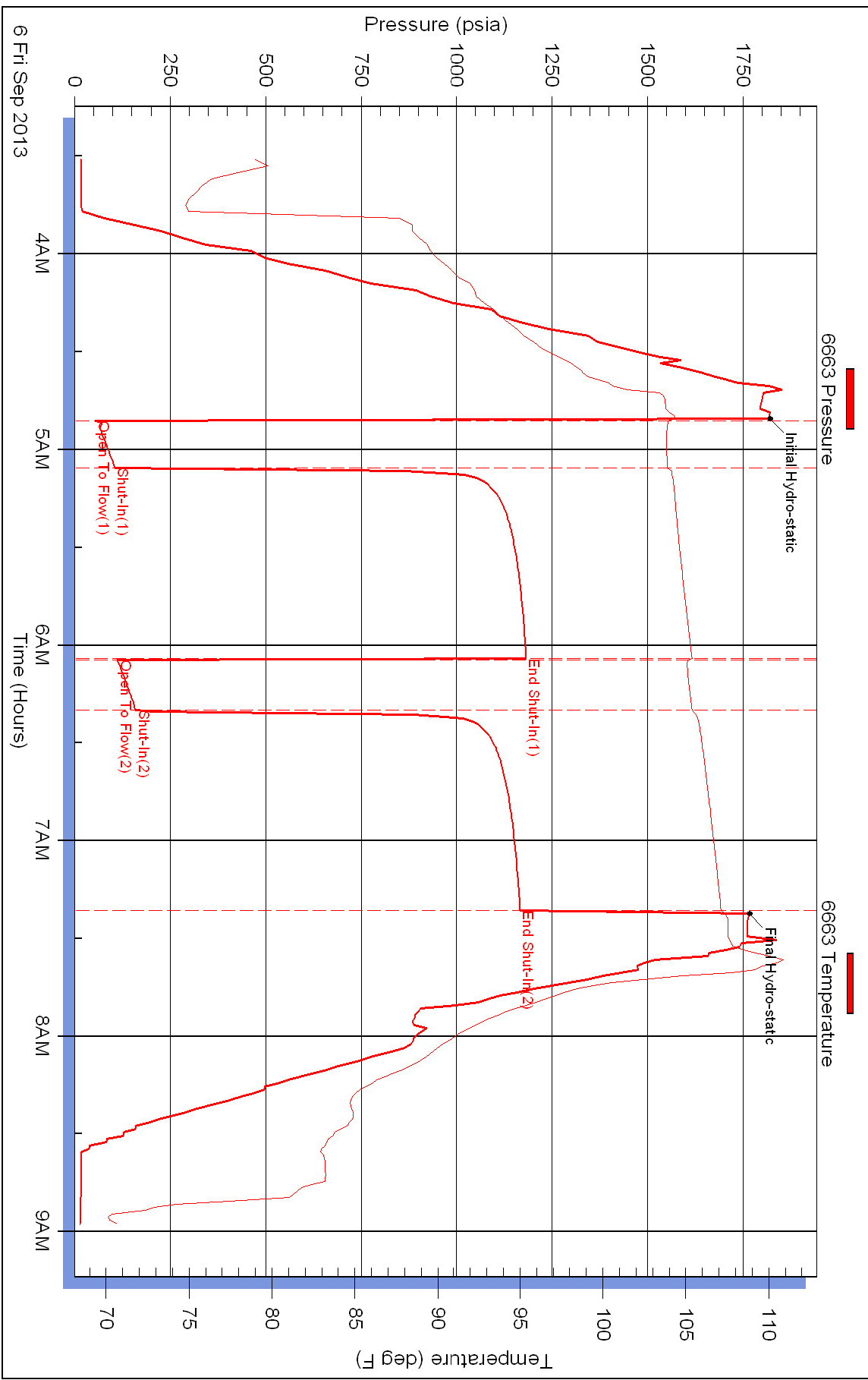
Inside

F.G.Holl Company LLC

Farthing #2-32

DST Test Number: 3

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17084

Printed: 2013.09.06 @ 09:12:23



DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206 2563

ATTN: Rene Husted

Farthing #2-32

32-21s-15w Pawnee

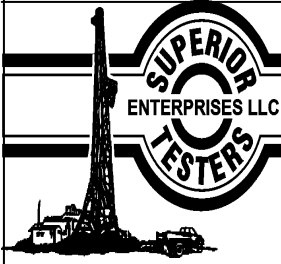
Start Date: 2013.09.06 @ 00:00:00

End Date: 2013.09.06 @ 00:00:00

Job Ticket #: 17085 DST #: 4

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

Printed: 2013.09.06 @ 21:43:14



DRILL STEM TEST REPORT

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17085

DST#: 4

ATTN: Rene Husted

Test Start: 2013.09.06 @ 00:00:00

GENERAL INFORMATION:

Formation: **kansas City "I"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3651.00 ft (KB) To 3670.00 ft (KB) (TVD)

Reference Elevations: 1986.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

1978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6663 Inside

Press@RunDepth: 1174.53 psia @ 3666.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.06

End Date: 2013.09.06

Last Calib.: 2013.09.06

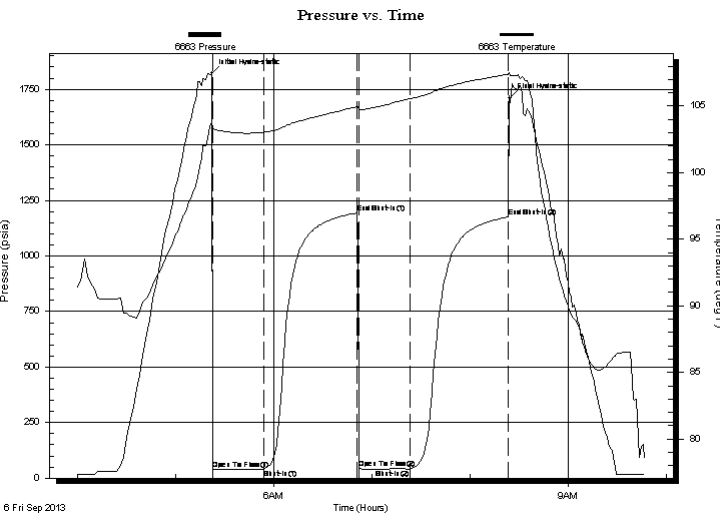
Start Time: 04:00:00

End Time: 09:47:23

Time On Btm: 2013.09.06 @ 05:22:23

Time Off Btm: 2013.09.06 @ 08:24:23

TEST COMMENT: 1st Opening 30 Minutes Weak blow for on e minute and died
1st Shut-In 60 Minutes-No blow back
2nd Opening 30 Minutes-No blow
2nd Shut-In 60 Minutes-No blow back



PRESSURE SUMMARY

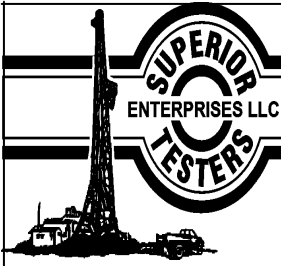
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1822.51	103.71	Initial Hydro-static
1	39.40	103.32	Open To Flow (1)
32	39.55	103.03	Shut-In(1)
89	1193.39	104.96	End Shut-In(1)
90	42.51	104.72	Open To Flow (2)
121	41.40	105.55	Shut-In(2)
181	1174.53	107.39	End Shut-In(2)
182	1710.65	107.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Thick Heavy Mud	0.01

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17085

DST#: 4

ATTN: Rene Husted

Test Start: 2013.09.06 @ 00:00:00

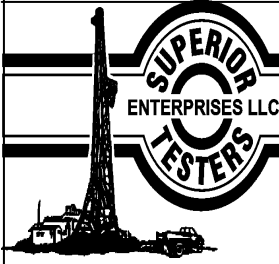
Tool Information

Drill Pipe:	Length: 3627.00 ft	Diameter: 3.80 inches	Volume: 50.88 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: 50.88 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3651.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	47.00 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			3628.00	
Hydraulic Tool	5.00			3633.00	
Safety Joint	2.00			3635.00	
Jars	6.00			3641.00	
Packer	5.00			3646.00	28.00 Bottom Of Top Packer
Packer	5.00			3651.00	
Anchor	14.00			3665.00	
Recorder	1.00	6663	Inside	3666.00	
Recorder	1.00	6748	Outside	3667.00	
Bullnose	3.00			3670.00	19.00 Bottom Packers & Anchor
Total Tool Length:	47.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17085

DST#: 4

ATTN: Rene Husted

Test Start: 2013.09.06 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 8.80 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Thick Heavy Mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

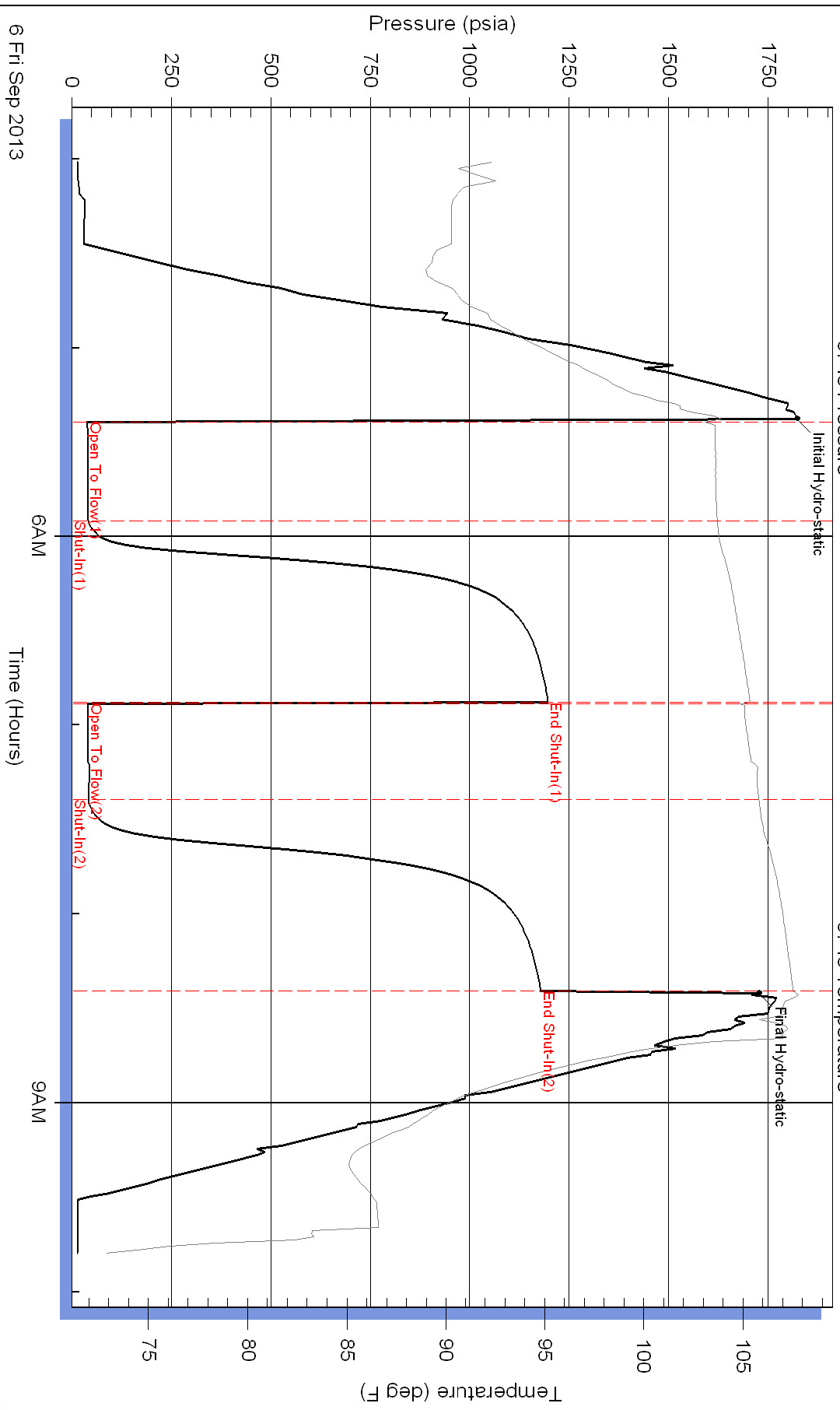
Serial #:

Laboratory Name:

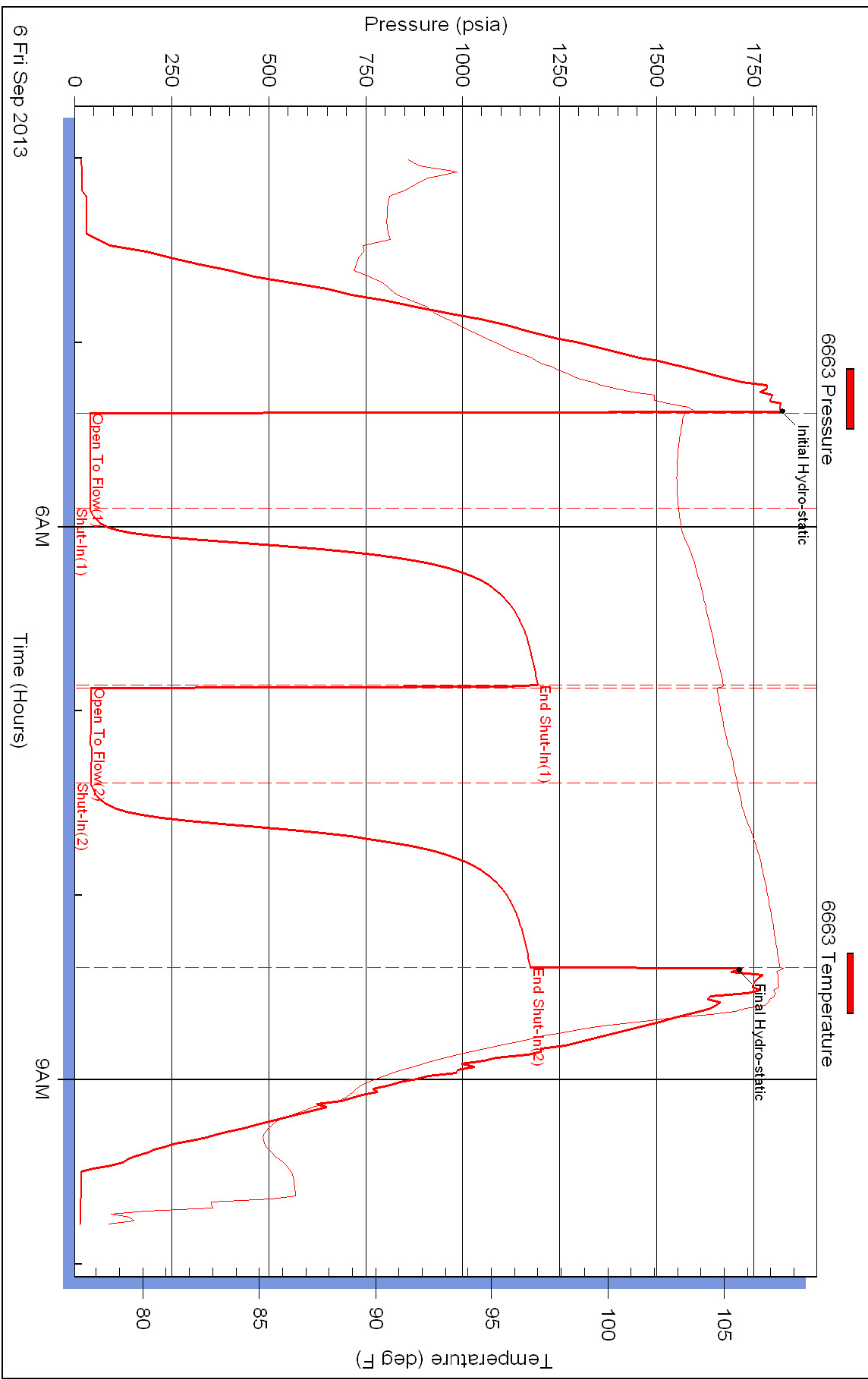
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206 2563

ATTN: Rene Husted

Farthing #2-32

32-21s-15w Pawnee

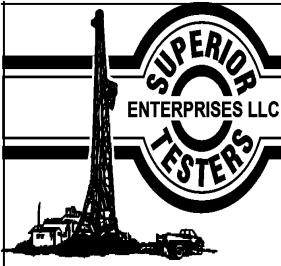
Start Date: 2013.09.08 @ 00:00:00

End Date: 2013.09.08 @ 00:00:00

Job Ticket #: 17087 DST #: 6

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

Printed: 2013.09.08 @ 12:17:36



DRILL STEM TEST REPORT

F.G.Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206 2563
 ATTN: Rene Husted

32-21s-15w Pawnee
Farthing #2-32
 Job Ticket: 17087 **DST#:6**
 Test Start: 2013.09.08 @ 00:00:00

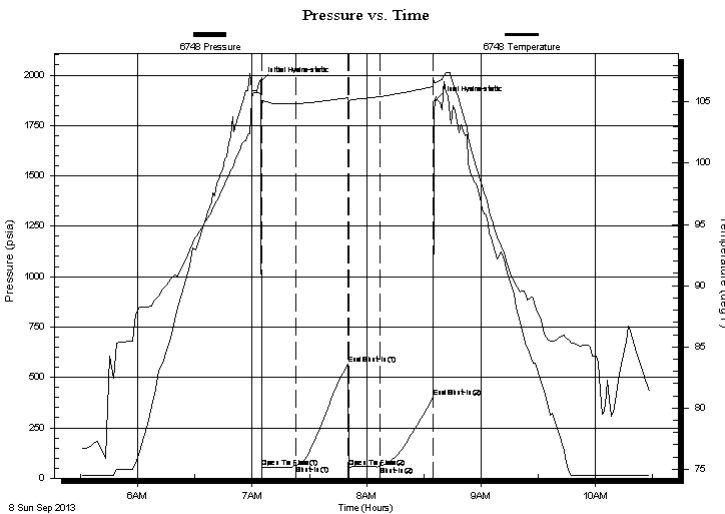
GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00 Tester: Gene Budig
 Time Test Ended: 00:00:00 Unit No: 3335
 Interval: **3848.00 ft (KB) To 3892.00 ft (KB) (TVD)** Reference Elevations: 1986.00 ft (KB)
 Total Depth: 3892.00 ft (KB) (TVD) 1978.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6748 Outside
 Press@RunDepth: 399.40 psia @ 3889.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.09.08 End Date: 2013.09.08 Last Calib.: 2013.09.08
 Start Time: 05:30:00 End Time: 10:28:30 Time On Btm: 2013.09.08 @ 07:04:30
 Time Off Btm: 2013.09.08 @ 08:36:00

TEST COMMENT: 1st Opening 15 Minutes Weak surface blow for 9 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes-No blow
 2nd Shut-In 30 Minutes No blow back

PRESSURE SUMMARY



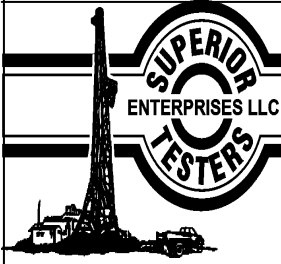
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1969.71	105.61	Initial Hydro-static
1	53.77	104.71	Open To Flow (1)
19	62.96	104.88	Shut-In(1)
46	563.49	105.34	End Shut-In(1)
46	55.43	104.99	Open To Flow (2)
63	60.01	105.45	Shut-In(2)
91	399.40	106.26	End Shut-In(2)
92	1871.90	106.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17087

DST#: 6

ATTN: Rene Husted

Test Start: 2013.09.08 @ 00:00:00

Tool Information

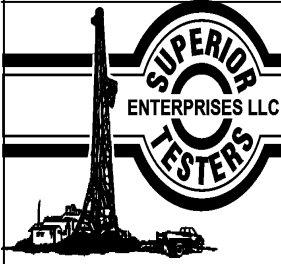
Drill Pipe:	Length: 3859.00 ft	Diameter: 3.80 inches	Volume: 54.13 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 54.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3848.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			3833.00	
Hydraulic Tool	5.00			3838.00	
Packer	5.00			3843.00	20.00 Bottom Of Top Packer
Packer	5.00			3848.00	
Anchor	39.00			3887.00	
Recorder	1.00	6663	Inside	3888.00	
Recorder	1.00	6748	Outside	3889.00	
Bullnose	3.00			3892.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17087

DST#: 6

ATTN: Rene Husted

Test Start: 2013.09.08 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.80 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: 0.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

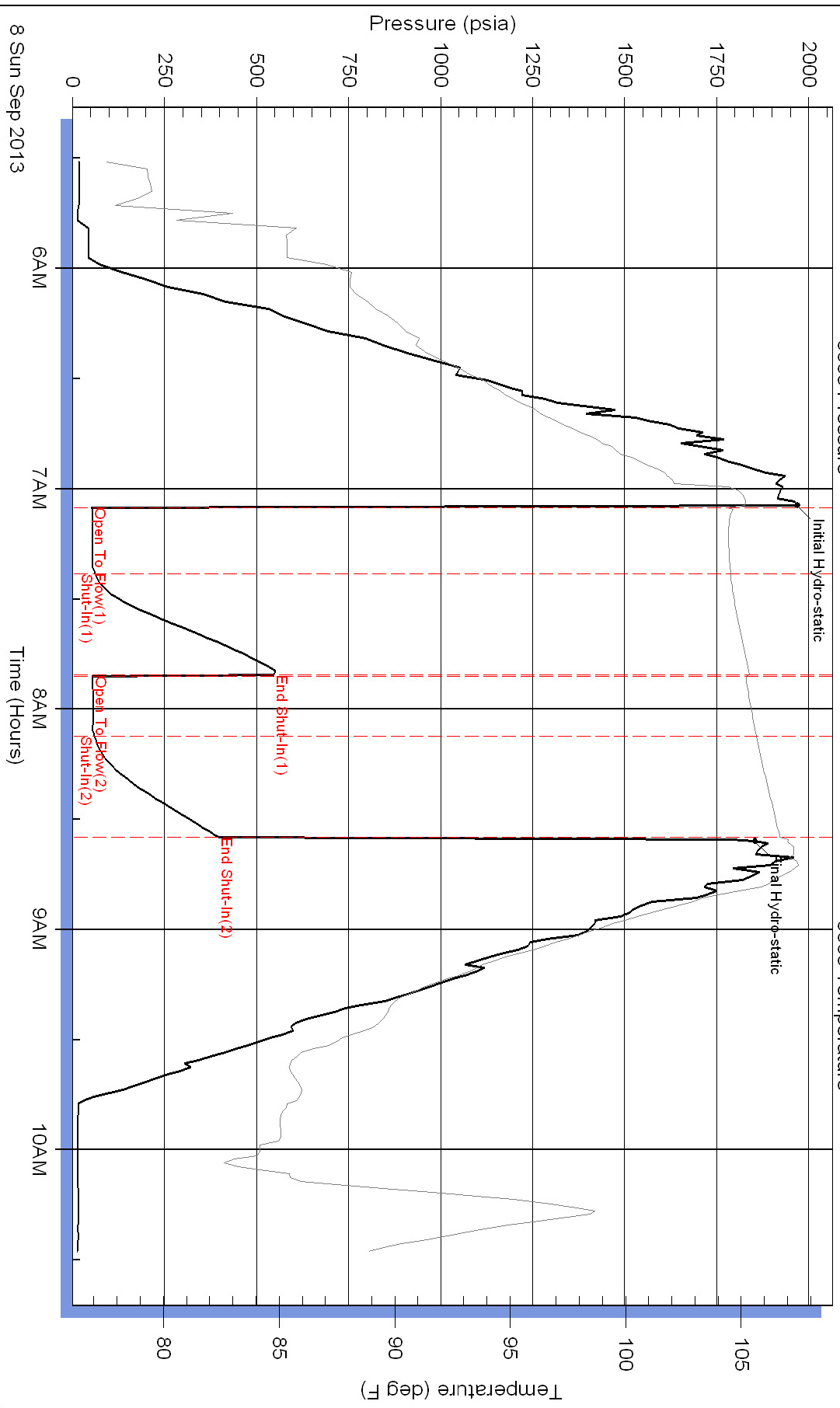
Serial #:

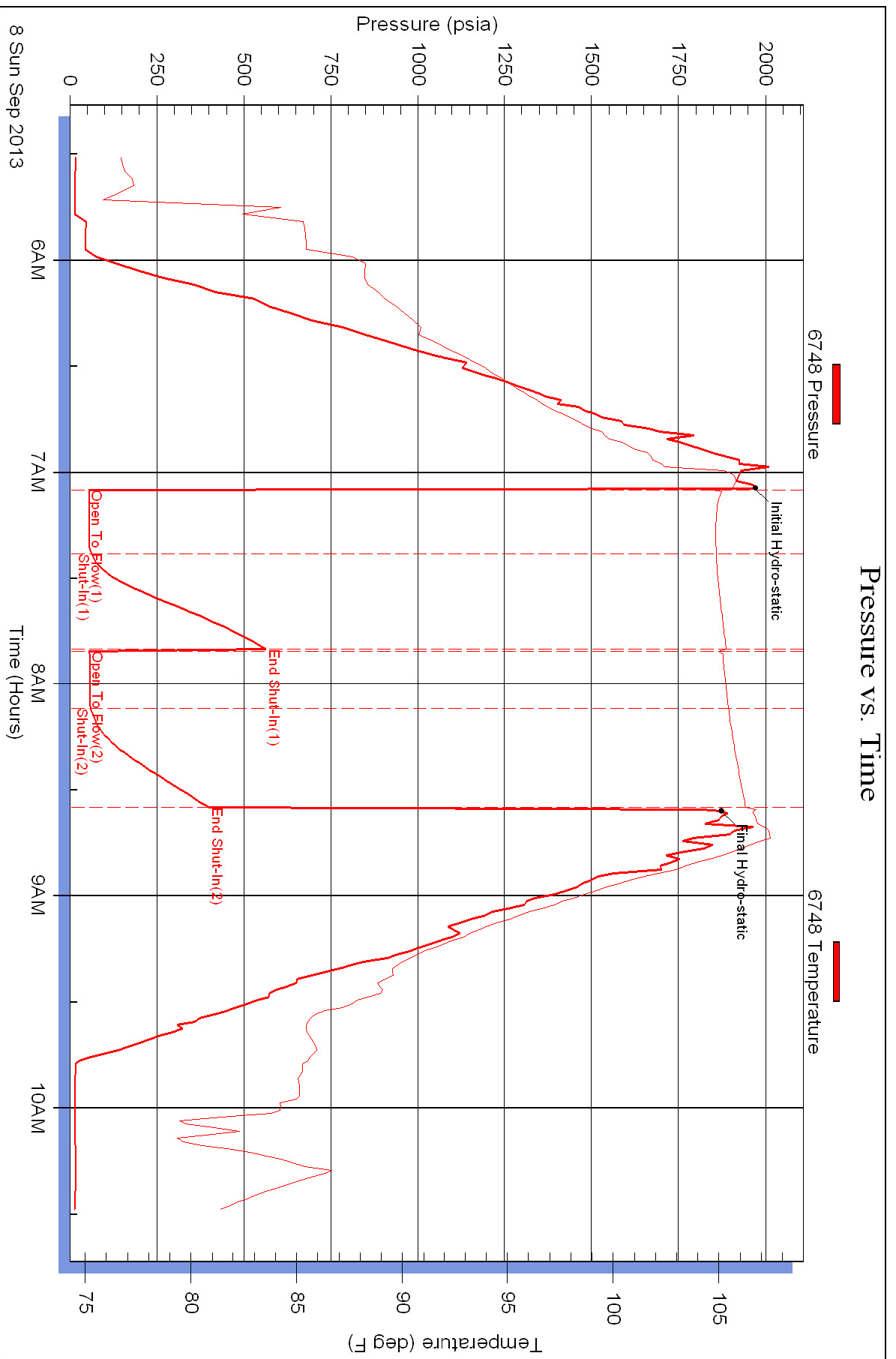
Laboratory Name:

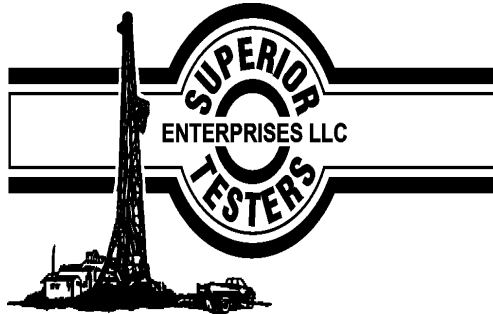
Laboratory Location:

Recovery Comments:

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **F.G.Holl Company LLC**

9431 East Central Suite 100
Wichita, Kansas 67206 2563

ATTN: Rene Hustead

Farthing #2-32

32-21s-15w Pawnee

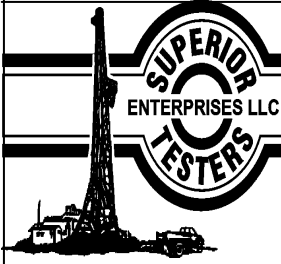
Start Date: 2013.09.09 @ 00:00:00

End Date: 2013.09.09 @ 00:00:00

Job Ticket #: 17088 DST #: 7

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

Printed: 2013.09.09 @ 06:32:32



DRILL STEM TEST REPORT

F.G.Holl Company LLC
 9431 East Central Suite 100
 Wichita, Kansas 67206 2563
 ATTN: Rene Husted

32-21s-15w Pawnee
Farthing #2-32
 Job Ticket: 17088 **DST#: 7**
 Test Start: 2013.09.09 @ 00:00:00

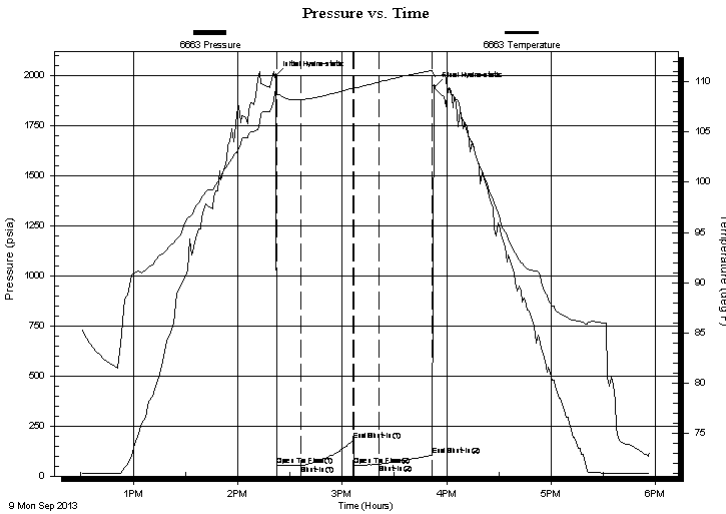
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3885.00 ft (KB) To 3940.00 ft (KB) (TVD)**
 Total Depth: 3940.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335
 Reference Elevations: 1986.00 ft (KB)
 1978.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6663 Inside
 Press@RunDepth: 103.80 psia @ 3935.75 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.09.09 End Date: 2013.09.09 Last Calib.: 2013.09.09
 Start Time: 12:30:00 End Time: 17:57:00 Time On Btm: 2013.09.09 @ 14:22:00
 Time Off Btm: 2013.09.09 @ 15:53:00

TEST COMMENT: 1st Opening 15 Minutes Weak blow for 6 minutes and died
 1st Shut-In 30 Minutes No blow back
 2nd Opening 15 Minutes No blow
 2nd Shut-In 30 Minutes-No blow back

PRESSURE SUMMARY



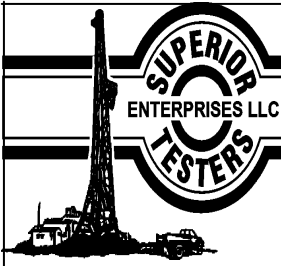
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1998.81	109.08	Initial Hydro-static
1	53.66	108.70	Open To Flow (1)
15	54.70	108.21	Shut-In(1)
44	177.31	109.34	End Shut-In(1)
45	55.01	109.32	Open To Flow (2)
59	58.52	109.95	Shut-In(2)
90	103.80	111.11	End Shut-In(2)
91	1945.95	110.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

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



DRILL STEM TEST REPORT

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17088

DST#: 7

ATTN: Rene Husted

Test Start: 2013.09.09 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3885.00 ft (KB) To 3940.00 ft (KB) (TVD)

Reference Elevations: 1986.00 ft (KB)

Total Depth: 3940.00 ft (KB) (TVD)

1978.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6748 Inside

Press@RunDepth: 106.85 psia @ 3936.75 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.09.09 End Date: 2013.09.09

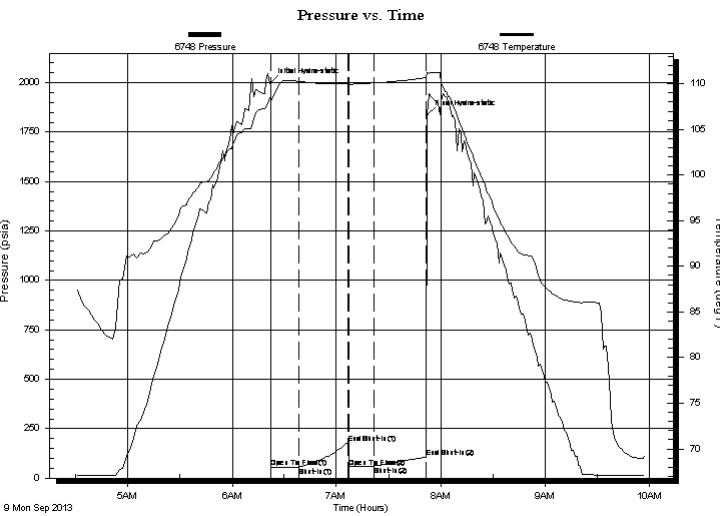
Last Calib.: 2013.09.09

Start Time: 04:30:00 End Time: 09:58:00

Time On Btm: 2013.09.09 @ 06:22:00

Time Off Btm: 2013.09.09 @ 07:52:30

TEST COMMENT: 1st Opening 15 Minutes Weak blow for 6 minutes and died
 1st Shut-In 30 Minutes No blow back
 2nd Opening 15 Minutes No blow
 2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

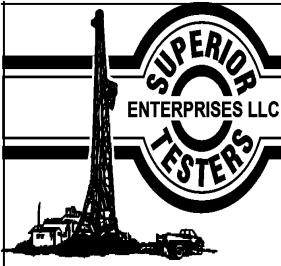
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1999.01	108.61	Initial Hydro-static
1	54.45	108.05	Open To Flow (1)
17	56.24	110.26	Shut-In(1)
45	174.06	110.00	End Shut-In(1)
45	56.78	109.96	Open To Flow (2)
60	60.76	110.09	Shut-In(2)
90	106.85	110.67	End Shut-In(2)
91	1837.21	111.25	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud	0.04

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17088

DST#:7

ATTN: Rene Husted

Test Start: 2013.09.09 @ 00:00:00

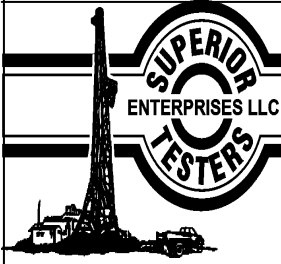
Tool Information

Drill Pipe:	Length: 3874.00 ft	Diameter: 3.80 inches	Volume: 54.34 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: 58000.00 lb
			<u>Total Volume: 54.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3885.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.75 ft			
Tool Length:	82.75 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			3862.00	
Hydraulic Tool	5.00			3867.00	
Safety Joint	2.00			3869.00	
Jars	6.00			3875.00	
Packer	5.00			3880.00	28.00 Bottom Of Top Packer
Packer	5.00			3885.00	
Anchor	6.00			3891.00	
Change Over Sub	0.75			3891.75	
Drill Pipe	32.25			3924.00	
Change Over Sub	0.75			3924.75	
Anchor	10.00			3934.75	
Recorder	1.00	6663	Inside	3935.75	
Recorder	1.00	6748	Inside	3936.75	
Bullnose	3.00			3939.75	54.75 Bottom Packers & Anchor

Total Tool Length: 82.75



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G.Holl Company LLC

32-21s-15w Pawnee

9431 East Central Suite 100
Wichita, Kansas 67206 2563

Farthing #2-32

Job Ticket: 17088

DST#: 7

ATTN: Rene Husted

Test Start: 2013.09.09 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 8.29 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6663

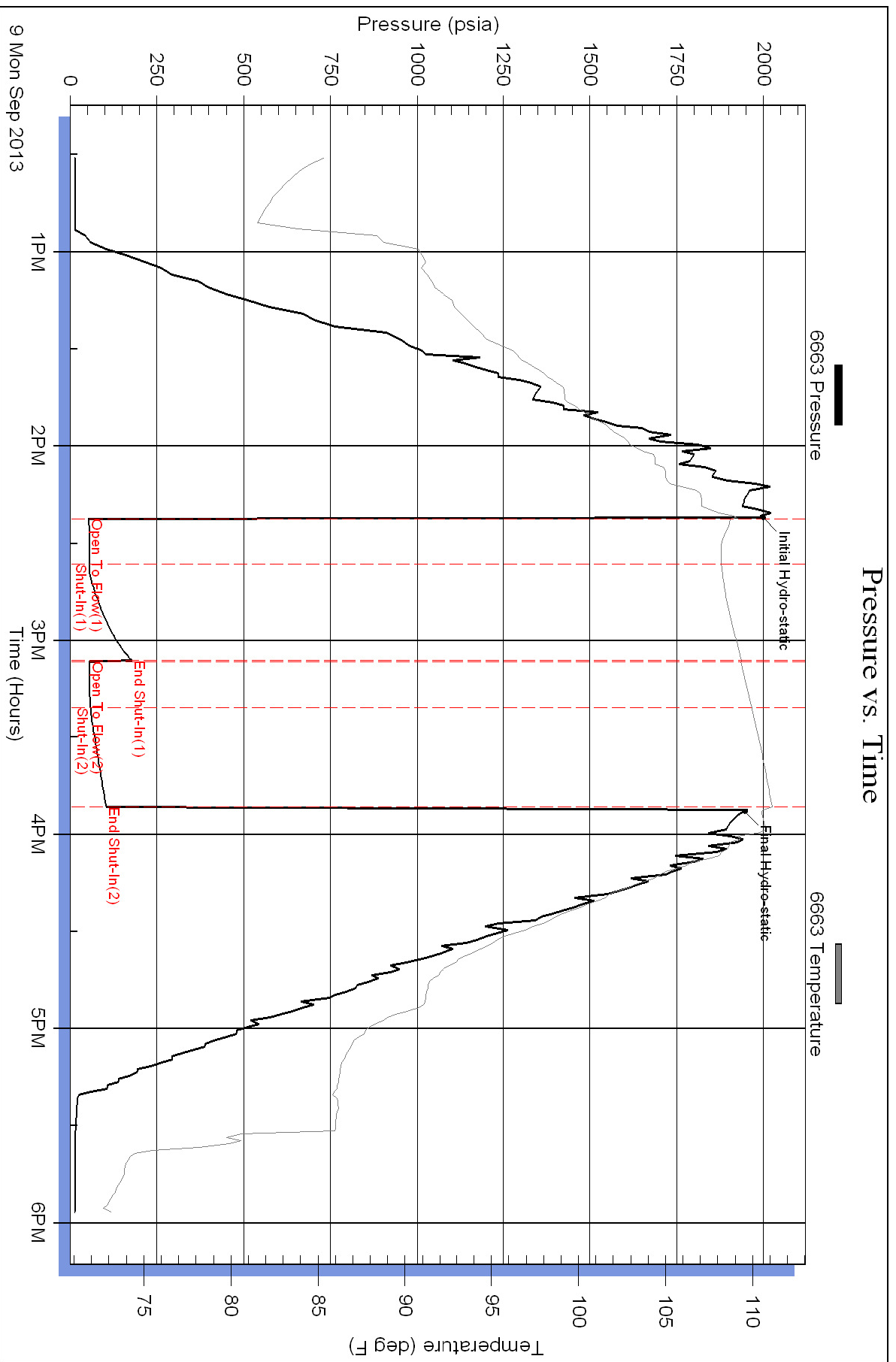
Inside

F.G.Holl Company LLC

Farthing #2-32

DST Test Number: 7

Pressure vs. Time



Serial #: 6748

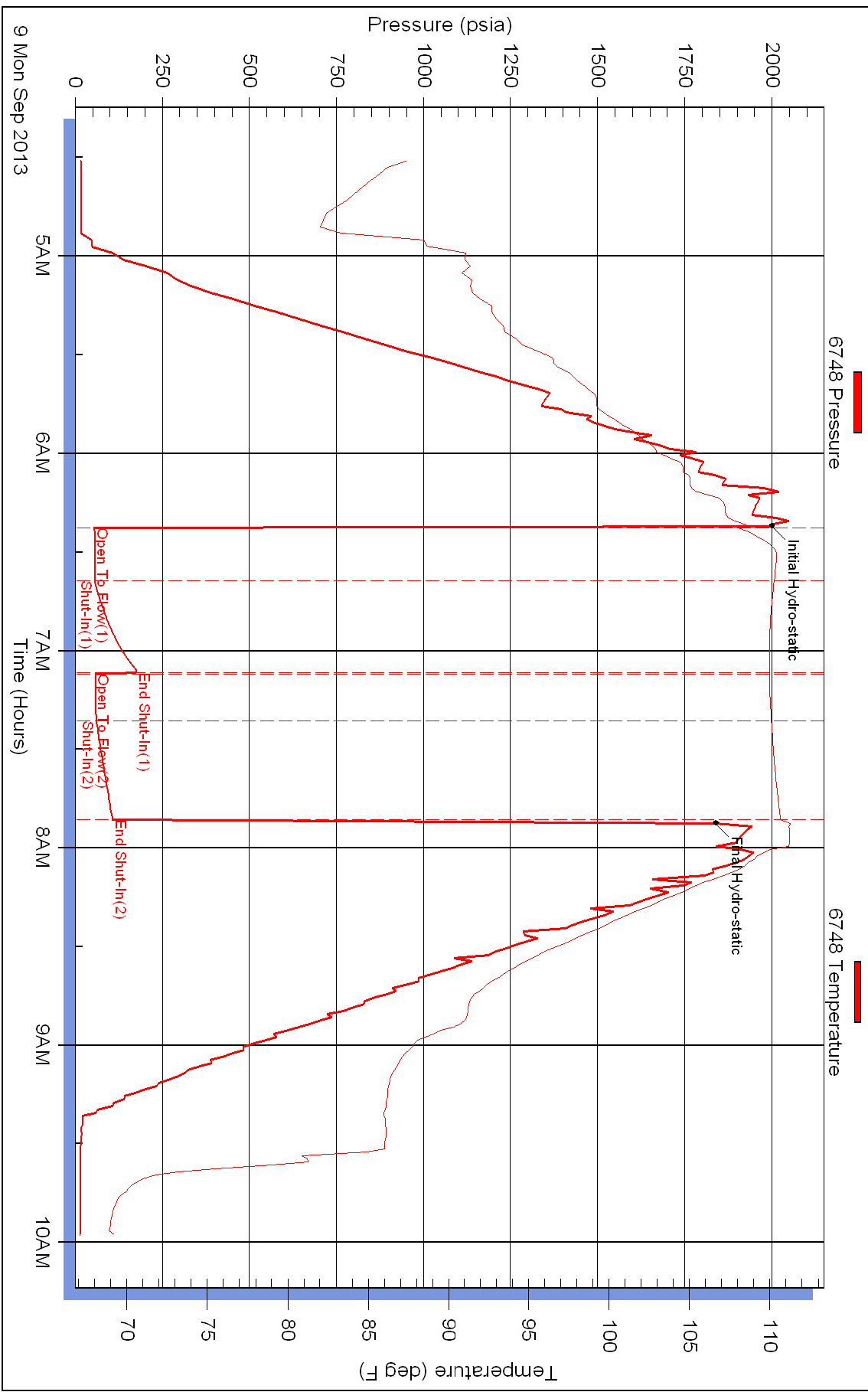
Inside

F.G.Holl Company LLC

Farthing #2-32

DST Test Number: 7

Pressure vs. Time



Superior Testers Enterprises LLC

Ref. No: 17088

Printed: 2013.09.09 @ 06:32:33



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 08766 A

DATE _____ TICKET NO. _____

DATE OF JOB		DISTRICT		NEW WELL <input type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER				LEASE				WELL NO.		
ADDRESS				COUNTY		STATE				
CITY		STATE		SERVICE CREW						
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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE 113	60/40 PVC	52	210		
CE 114	50/90	15	360		
E 100	E. 4. 0.00	0.15	60		
E 101	11.000 09. 0.00	0.15	170		
E 115	1.00 2.00 18 2.00 18 60	0.25	540		
CE 119	0.75 2.00 200 4.00 1	40	1		
CE 120	1.00 2.00 600	50	300		
SUB TOTAL					540.40

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:
------------------------	---

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



ASIC Energy Services, L.P.

TREATMENT REPORT

Owner Fidelity Co. LLC	Lease No.	Date 9-10-13	
Lease Fairway	Well # 2-23		
Field Order # 8766	Station Pratt	Casing 4 1/2 O.P.	Depth 3935
		County Pawnee	State KS
Type Job CON PTA	Formation	Legal Description 32-21-15	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2 O.P.	Tubing Size	Shots/Ft		Acid CMF	6/40 RT	4% S ⁺	RATE	PRESS
Depth	Depth	From	To	Pre Pad		Max		ISIP
Volume	Volume	From	To	Pad		Min		10 Min.
Max Press	Max Press	From	To	Frac		Avg		15 Min.
Well Connection D.C.	Annulus Vol.	From	To			HHP Used		Annulus Pressure
Plug Depth 3935	Packer Depth	From	To	Flush		Gas Volume		Total Load

Customer Representative: Dean Station Manager: Kevin Gordiny Treater: Mike Matta

Service Units	37216	19889	19843	19826	19866			
Driver Names	Matta	Markus		Jeff				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00 AM					ON LOCATION / SAFETY MEETING
9:35		150	15	5	PUMP 15.2 BBLS H ₂ O
9:40		100	13	3	MIX 50 SWS CMF 3995 FT
9:44		100	52	5	PUMP 4.8 H ₂ O PUMP 48 BBLS. DISPLACEMENT
11:35		50	10	5	PUMP 10 BBLS H ₂ O 990 FT
11:38		50	13	4	MIX 50 SWS CMF
11:41		50	8	5	PUMP 8.2 BBLS H ₂ O DISPLACEMENT
12:14		50	3	5	PUMP 3 BBLS H ₂ O 300 FT
12:15		50	10	4	MIX 40 SWS CMF
12:18		50	2	4	PUMP 1.9 BBLS H ₂ O DISPLACEMENT
1:20		50	5	3	MIX 20 SWS CMF UNTIL CMF TO SURFACE 60 FT
1:25			75	3	PLUG RAT HOLE & MAKE HOLE

JOB COMPLETE
THANK YOU
MIKE MATTAL



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 08764 A

DATE _____ TICKET NO. _____

DATE OF JOB: 8-30-13	DISTRICT: PAWNEE	NEW WELL <input type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:			
CUSTOMER: FJ Hill LLC	LEASE: FARTHWING 2-32	WELL NO.:								
ADDRESS:	COUNTY: PAWNEE	STATE: KS								
CITY:	STATE:	SERVICE CREW: MONTAL, YOUNG, BRIDGES, WHITE								
AUTHORIZED BY:	JOB TYPE: CORRECTION									
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
77216	11						8-30-13			6:30
						ARRIVED AT JOB				10:00
27463	1					START OPERATION				10:50
						FINISH OPERATION				11:45
19960/2100	1					RELEASED				12:45
						MILES FROM STATION TO WELL				50

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: *M. Young*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CF 101	A-COM 1/2" x 1/2"	SC	200		
CF 102	CONCRETE	SC	200		
CF 103	CELLULOSE	LB	100		
CF 109	CEMENT CHLORIDE	LB	940		
CF 105	TOLUENE 8%	GA	1		
CF 1753	CONCRETE 8%	GA	3		
E 100	P. 4. AIRLINE	MS	90		
E 101	HEAVY 29. P. 1000	MS	100		
E 113	PULVERIZED BITUMEN CHARGE	TN	940		
CF 201	DRILL CHARGE 10-1000	GA	1		
CF 240	BLANKET 1/2" x 1/2"	SC	400		
CF 504	PIV 1000 / 4000	TS	1		
5003	GRANT SUPPLIES	GA	1		

SUB TOTAL

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL

SERVICE REPRESENTATIVE: *Mike MONTAL*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *x Dean Young*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer F.G. Hill CO LLC	Lease No.	Date 8-30-13
Lease Fairbank	Well # 2-32	
Field Order # 8764	Station PIATT	Casing 8 5/8
		Depth 972
Type Job CNW S.P.	Formation	County PAWNEE
		State KS
		Legal Description 22-21-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft		Acid 200 A-con	RATE 390 cc	PRESS 1/4 # CF	ISIP	
Depth 972	Depth	From	To	Pre Pad 200 com.	Max 270 cc	1/4 # CF	5 Min.	
Volume 62	Volume	From	To	Pad	Min		10 Min.	
Max Press 500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 952	Packer Depth	From	To	Flush 61	Gas Volume		Total Load	

Customer Representative 833 1019	Station Manager	Treater
Service Units 37216	27463	19960 21010
Driver Names MATHAI	Young	Whitfield Piererson

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:15					ON LOCATION / SAFETY MEETINGS
10:20					CSNG ON BOTTOM
10:35					HOOK UP CSNG / Break live w Air
10:50	200		5	5	PUMP 5 BBLs H2O
10:52	200		42	4.5	MIX 200 SWS ACON-CMT
	100		80	4.5	MIX 200 SWS COMMON CMT
11:39	200			5	RELEASE PLUG / START DISP.
	300			3.5	SLOW RATE
			60.5		SHUT IN WELL / NO CMT
11:45	300		.5	2	PUMP 1/2 BBL DISP. CMT ABOVE
11:46	300				SHUT IN WELL
					1 BBL CMT TO PIT / LIVE THEN JOB
					JOB COMPLETE
					Thank You
					MIKE MATHAI