



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1090298
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: _____

1090298

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> <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	THOMPSON 2-30
Doc ID	1090298

All Electric Logs Run

CPI
CNL/CDL
BHCS
DIL
Microresistivity

Form	ACO1 - Well Completion
Operator	F. G. Holl Company L.L.C.
Well Name	THOMPSON 2-30
Doc ID	1090298

Tops

Name	Top	Datum
Herrington	2072	-246
Winfield	2129	-303
Towanda	2199	-373
Ft Riley	2256	-430
B/Florence	2344	-518
Kinney Ls	2355	-529
Wrefold	2391	-565
Council Grove	2431	-605
Crouse	2461	-635
Stotler	2897	-1071
Heebner	3745	-1919
Toronto	3759	-1933
Douglas Sh.	3780	-1954
Brown Lime	3910	-2084
Lansing	3932	-2106
BKC	4330	-2504
Mrmaton	4337	-2511
Kinderhook Chert	4408	-2582
Maquoketa	4482	-2656
Viola	4490	-2664
Simpson Shale	4615	-2789
Simpson Sand	4632	-2806
Arbuckle	4696	-2870
RTD	4850	-3024

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

Sam Brownback, Governor

August 10, 2012

Loveness Mpanje
F. G. Holl Company L.L.C.
9431 E CENTRAL STE 100
WICHITA, KS 67206-2563

Re: ACO1
API 15-007-23914-00-00
THOMPSON 2-30
SW/4 Sec.30-30S-13W
Barber 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,
Loveness Mpanje



DRILL STEM TEST REPORT

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

9431 E Central Ste 100 Wichita KS 67206-2563

ATTN: Ryan Greenbaum

Thompson # 2-30

30-30-13 Barber

Start Date: 2012.07.21 @ 22:51:00

End Date: 2012.07.22 @ 05:16:00

Job Ticket #: 17370 DST #: 1

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

Printed: 2012.07.22 @ 05:36:00



DRILL STEM TEST REPORT

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

ATTN: Ryan Greenbaum

Job Ticket: 17370

DST#: 1

Test Start: 2012.07.21 @ 22:51:00

GENERAL INFORMATION:

Formation: **Douglas SS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:42:30

Time Test Ended: 05:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Pratt-

Interval: 3790.00 ft (KB) To 3830.00 ft (KB) (TVD)

Reference Elevations: 1826.00 ft (KB)

Total Depth: 3830.00 ft (KB) (TVD)

1813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6731

Press @RunDepth: 211.82 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.21

End Date:

2012.07.22

Last Calib.:

2012.07.22

Start Time: 22:51:00

End Time:

05:16:00

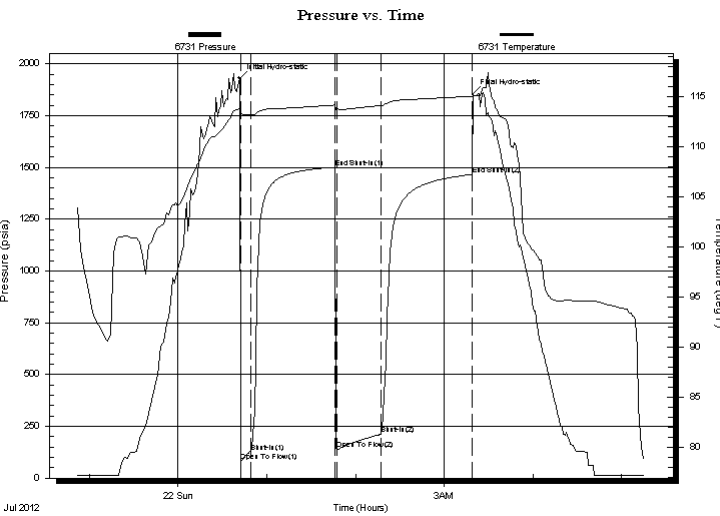
Time On Btm:

2012.07.22 @ 00:41:30

Time Off Btm:

2012.07.22 @ 03:19:30

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in 3 1/2 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Strong blow built bottom of bucket in 4 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1930.52	113.88	Initial Hydro-static
1	79.04	113.33	Open To Flow (1)
8	126.04	113.21	Shut-In(1)
65	1500.72	114.20	End Shut-In(1)
66	139.75	113.79	Open To Flow (2)
96	211.82	114.14	Shut-In(2)
157	1465.81	115.07	End Shut-In(2)
158	1855.93	115.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Water 5 %mud 95%w water	3.13
0.00	Chlorides 144,000 resistivity .1 @ 75 d	0.00

Gas Rates

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



DRILL STEM TEST REPORT

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

ATTN: Ryan Greenbaum

Job Ticket: 17370

DST#: 1

Test Start: 2012.07.21 @ 22:51:00

GENERAL INFORMATION:

Formation: **Douglas SS**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:42:30

Time Test Ended: 05:16:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Pratt-

Interval: 3790.00 ft (KB) To 3830.00 ft (KB) (TVD)

Reference Elevations: 1826.00 ft (KB)

Total Depth: 3830.00 ft (KB) (TVD)

1813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8159

Press @RunDepth: 1466.73 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.21

End Date:

2012.07.22

Last Calib.:

2012.07.22

Start Time: 22:51:00

End Time:

05:16:00

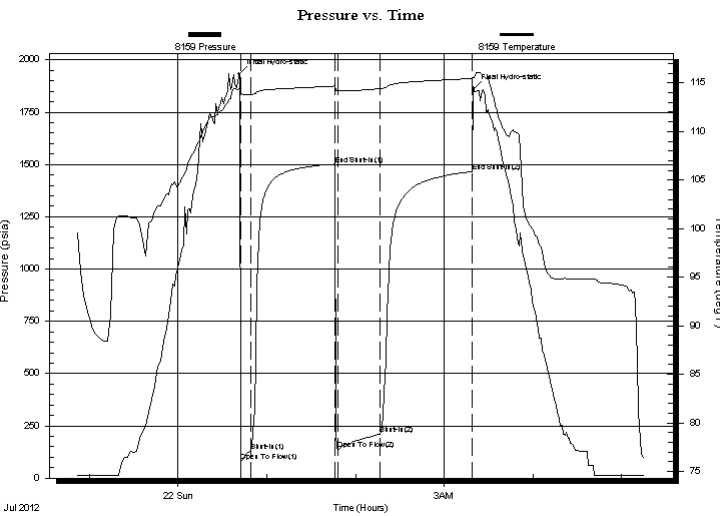
Time On Btm:

2012.07.22 @ 00:41:30

Time Off Btm:

2012.07.22 @ 03:20:00

TEST COMMENT: 1st Opening 5 Minutes-Strong blow built bottom of bucket in 3 1/2 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Strong blow built bottom of bucket in 4 minutes
 2nd Shut-in 60 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1934.34	114.43	Initial Hydro-static
1	80.33	113.87	Open To Flow (1)
8	127.06	113.78	Shut-In(1)
65	1501.60	114.69	End Shut-In(1)
67	138.69	114.21	Open To Flow (2)
95	211.77	114.40	Shut-In(2)
158	1466.73	115.46	End Shut-In(2)
159	1862.96	115.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
340.00	Water 5 %mud 95%w water	3.13
0.00	Chlorides 144,000 resistivity .1 @ 75 d	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

Job Ticket: 17370

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.07.21 @ 22:51:00

Tool Information

Drill Pipe:	Length: 3610.00 ft	Diameter: 3.80 inches	Volume: 50.64 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 51.53 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	3790.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	68.00 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-InTool	5.00		Inside	3767.00	
Hydraulic Tool	5.00			3772.00	
Jars	6.00			3778.00	
Safety Joint	2.00			3780.00	
Packer	5.00			3785.00	28.00 Bottom Of Top Packer
Packer	5.00			3790.00	
Anchor	35.00			3825.00	
Recorder	1.00	6731	Inside	3826.00	
Recorder	1.00	8159	Outside	3827.00	
Bullnose	3.00			3830.00	40.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

Job Ticket: 17370

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2012.07.21 @ 22:51:00

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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.80 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 7200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
340.00	Water 5 %mud 95%w ater	3.130
0.00	Chlorides 144,000 resistivity .1 @ 75 d	0.000

Total Length: 340.00 ft Total Volume: 3.130 bbl

Num Fluid Samples: 0

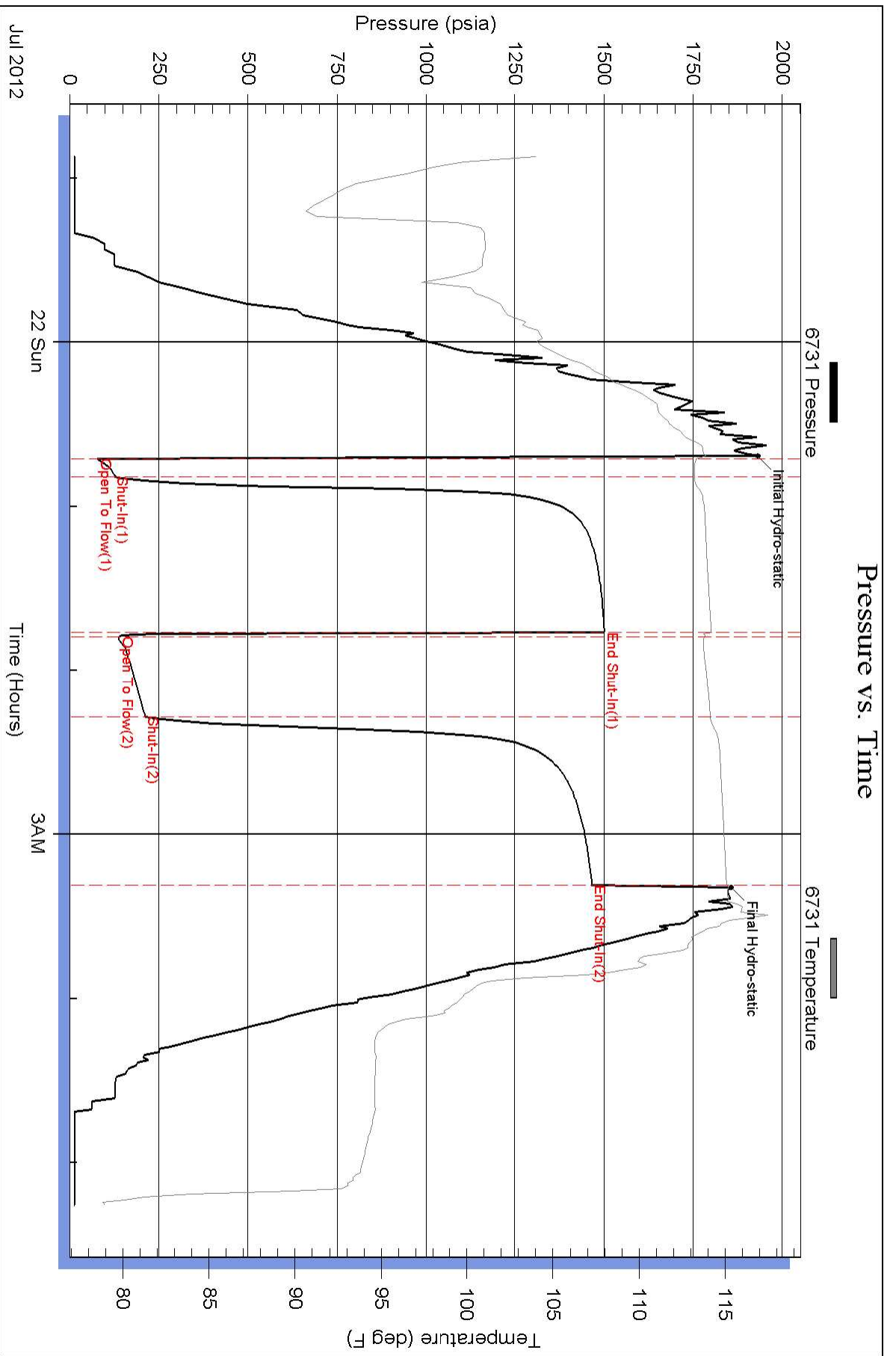
Num Gas Bombs: 0

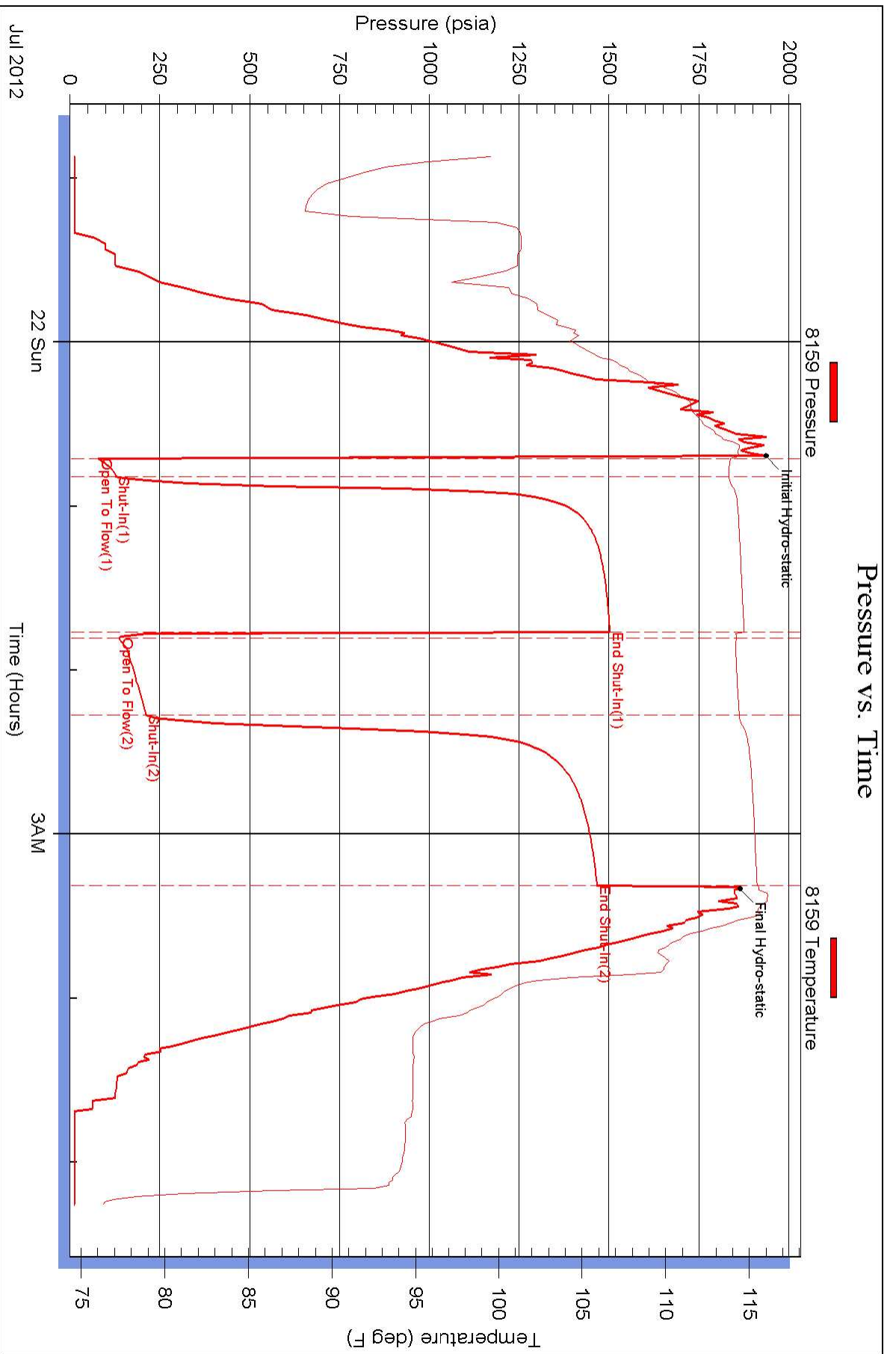
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

9431 E Central Ste 100 Wichita KS 67206-2563

ATTN: Ryan Greenbaum

Thompson # 2-30

30-30-13 Barber

Start Date: 2012.07.24 @ 04:37:00

End Date: 2012.07.24 @ 10:15:30

Job Ticket #: 17371 DST #: 2

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

Printed: 2012.07.24 @ 10:33:09



DRILL STEM TEST REPORT

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

ATTN: Ryan Greenbaum

Job Ticket: 17371

DST#: 2

Test Start: 2012.07.24 @ 04:37:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:37:00

Time Test Ended: 10:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Pratt-

Interval: 4320.00 ft (KB) To 4430.00 ft (KB) (TVD)

Reference Elevations: 1826.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

1813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 6731

Press @ RunDepth: 98.13 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.24

End Date:

2012.07.24

Last Calib.:

2012.07.24

Start Time: 04:37:00

End Time:

10:15:30

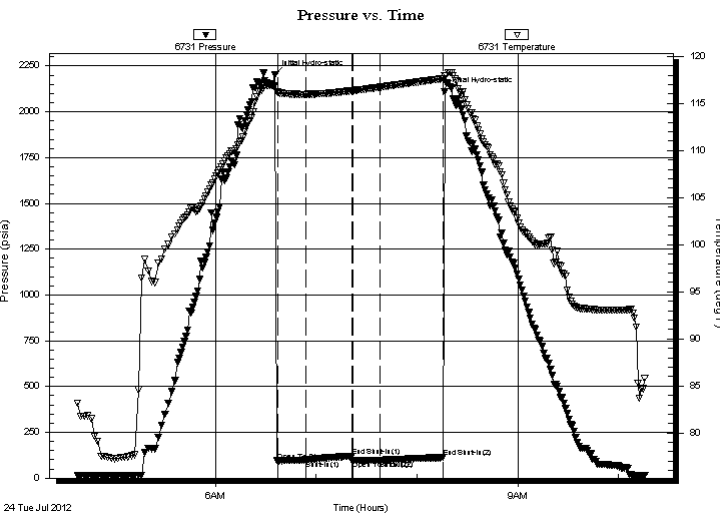
Time On Btm:

2012.07.24 @ 06:35:30

Time Off Btm:

2012.07.24 @ 08:16:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak surface blow built 1/4 inch into water stayed steady throughout open
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2203.96	116.90	Initial Hydro-static
2	93.15	116.18	Open To Flow (1)
19	99.77	115.97	Shut-In(1)
46	120.42	116.35	End Shut-In(1)
47	95.81	116.36	Open To Flow (2)
63	98.13	116.73	Shut-In(2)
100	112.63	117.64	End Shut-In(2)
101	2110.84	117.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



DRILL STEM TEST REPORT

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

ATTN: Ryan Greenbaum

Job Ticket: 17371

DST#: 2

Test Start: 2012.07.24 @ 04:37:00

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:37:00

Time Test Ended: 10:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3320-Pratt-

Interval: 4320.00 ft (KB) To 4430.00 ft (KB) (TVD)

Reference Elevations: 1826.00 ft (KB)

Total Depth: 4430.00 ft (KB) (TVD)

1813.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 8159

Press @ RunDepth: 113.94 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.07.24

End Date:

2012.07.24

Last Calib.:

2012.07.24

Start Time: 04:37:00

End Time:

10:16:00

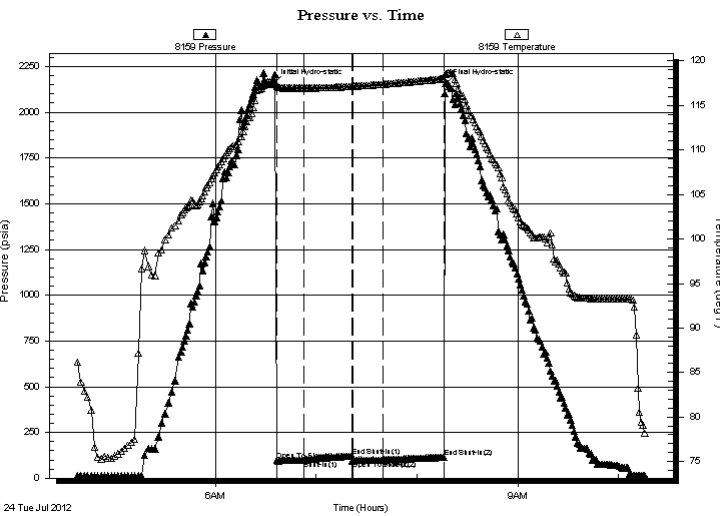
Time On Btm:

2012.07.24 @ 06:35:00

Time Off Btm:

2012.07.24 @ 08:17:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built 1/2 inch into water in 15 minutes
 1st Shut-in 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak surface blow built 1/4 inch into water stayed steady throughout open
 2nd Shut-in 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2156.65	117.69	Initial Hydro-static
2	96.33	117.11	Open To Flow (1)
18	99.00	116.94	Shut-In(1)
46	121.39	117.14	End Shut-In(1)
47	96.56	117.15	Open To Flow (2)
65	99.99	117.39	Shut-In(2)
101	113.94	117.99	End Shut-In(2)
102	2158.34	118.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	mud	0.05

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

Job Ticket: 17371

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.07.24 @ 04:37:00

Tool Information

Drill Pipe:	Length: 4143.00 ft	Diameter: 3.80 inches	Volume: 58.12 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 95000.00 lb
			<u>Total Volume: 59.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4320.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	110.00 ft			
Tool Length:	138.00 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-InTool	5.00		Inside	4297.00	
Hydraulic Tool	5.00			4302.00	
Jars	6.00			4308.00	
Safety Joint	2.00			4310.00	
Packer	5.00			4315.00	28.00 Bottom Of Top Packer
Packer	5.00			4320.00	
Anchor	0.00			4320.00	
Change Over Sub	0.75			4320.75	
Drill Pipe	63.50		Outside	4384.25	
Change Over Sub	0.75		Outside	4385.00	
Anchor	40.00			4425.00	
Recorder	1.00	6731	Inside	4426.00	
Recorder	1.00	8159	Outside	4427.00	
Bullnose	3.00			4430.00	110.00 Bottom Packers & Anchor

Total Tool Length: 138.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G Holl Company

30-30-13 Barber

9431 E Central Ste 100 Wichita KS 67206-2563

Thompson # 2-30

Job Ticket: 17371

DST#: 2

ATTN: Ryan Greenbaum

Test Start: 2012.07.24 @ 04:37:00

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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	mud	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

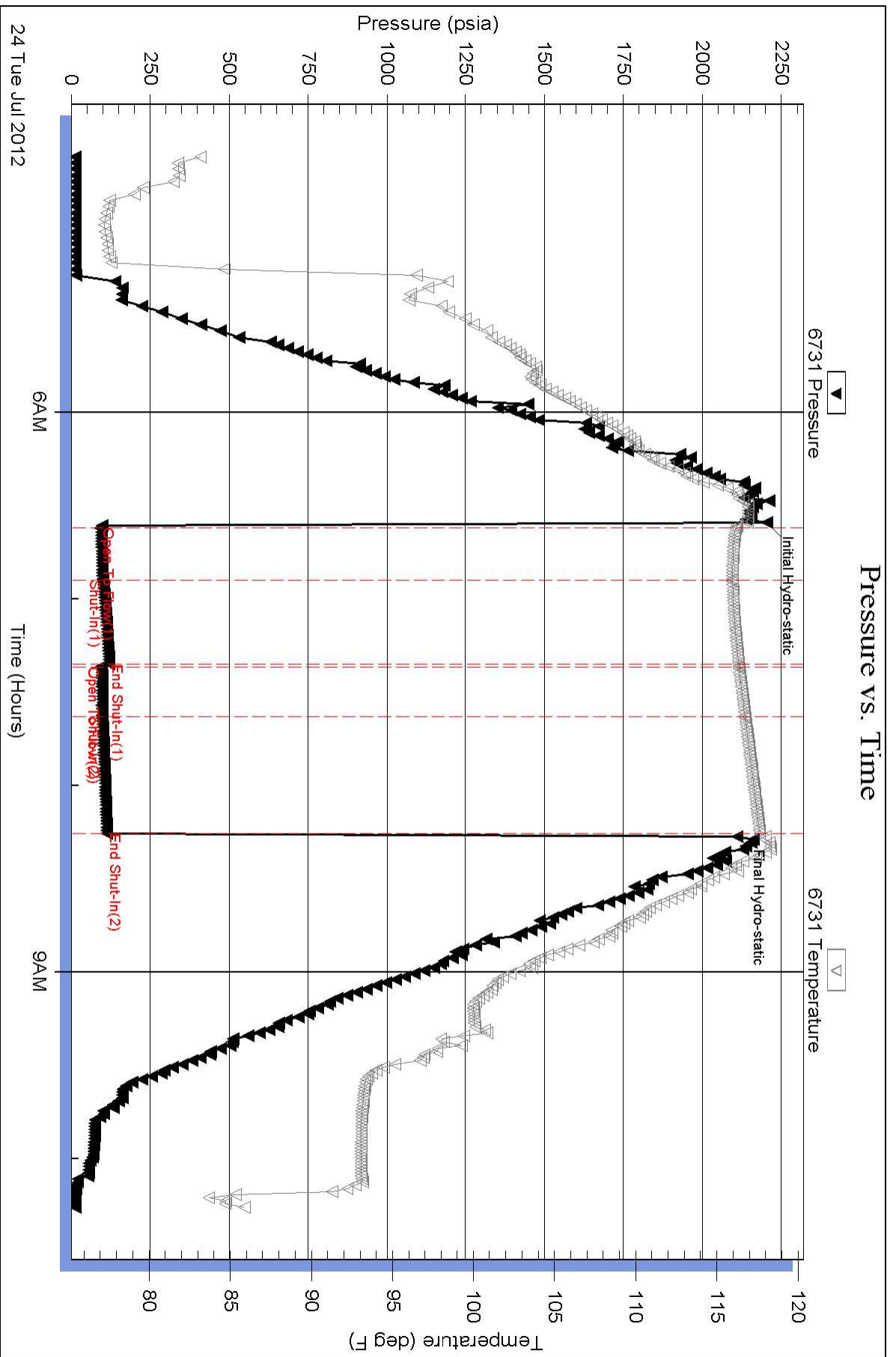
Num Gas Bombs: 0

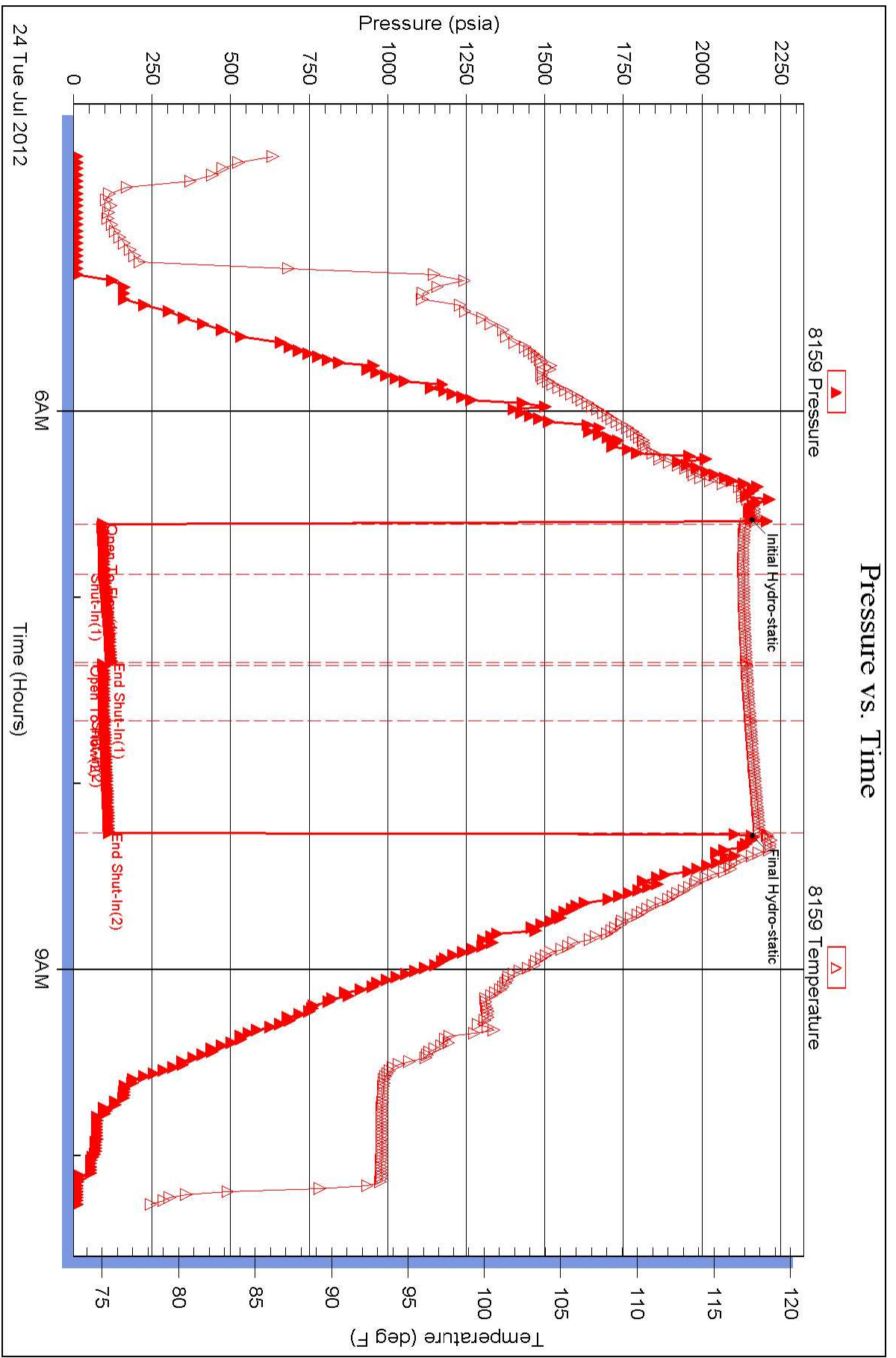
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

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

9431 E Central Ste 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

Thompson # 2-30

30-30s-13w Barber

Start Date: 2012.07.26 @ 02:48:00

End Date: 2012.07.26 @ 09:18:30

Job Ticket #: 17373 DST #: 4

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

Printed: 2012.07.26 @ 09:45:10



DRILL STEM TEST REPORT

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

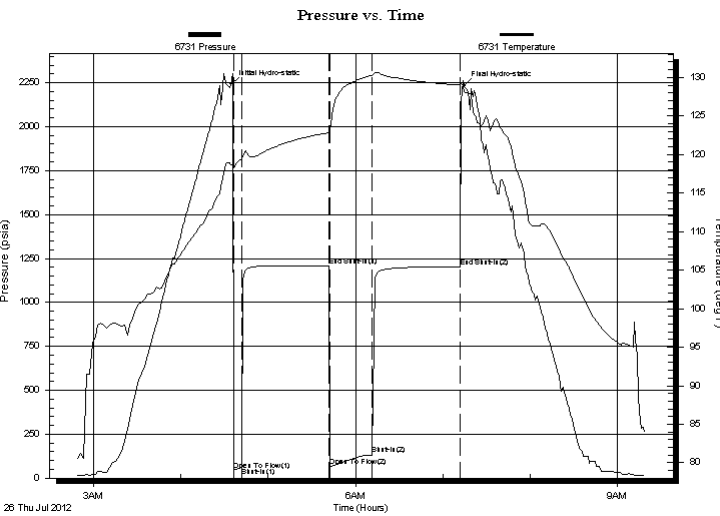
30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17373 **DST#: 4**
 Test Start: 2012.07.26 @ 02:48:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:36:30
 Time Test Ended: 09:18:30
 Interval: **4610.00 ft (KB) To 4642.00 ft (KB) (TVD)**
 Total Depth: 4642.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3320 Pratt/
 Reference Elevations: 1826.00 ft (KB)
 1813.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 6731 Inside
 Press @ Run Depth: 133.27 psia @ 4638.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.26 End Date: 2012.07.26 Last Calib.: 2012.07.26
 Start Time: 02:48:00 End Time: 09:18:30 Time On Btm: 2012.07.26 @ 04:34:30
 Time Off Btm: 2012.07.26 @ 07:14:30

TEST COMMENT: 1ST Open 5 Minutes/Weak blow/Blow built to 3/4 inch
 1ST Shut In 60 Minutes/No blow back
 2ND Open 30 Minutes/Fair blow/Blow built to 5 1/2 inches
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2240.44	118.71	Initial Hydro-static
2	45.54	118.27	Open To Flow (1)
7	60.62	119.34	Shut-In(1)
67	1208.80	122.83	End Shut-In(1)
68	64.70	123.05	Open To Flow (2)
97	133.27	130.28	Shut-In(2)
157	1203.76	129.00	End Shut-In(2)
160	2231.98	128.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud 100%	0.37
120.00	Muddy Water	0.73
0.00	Mud 20% Water 80%	0.00
0.00	Recovery Chlorides 56000 ppm	0.00
0.00	Recovery resist. .12 ohms @ 82 degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

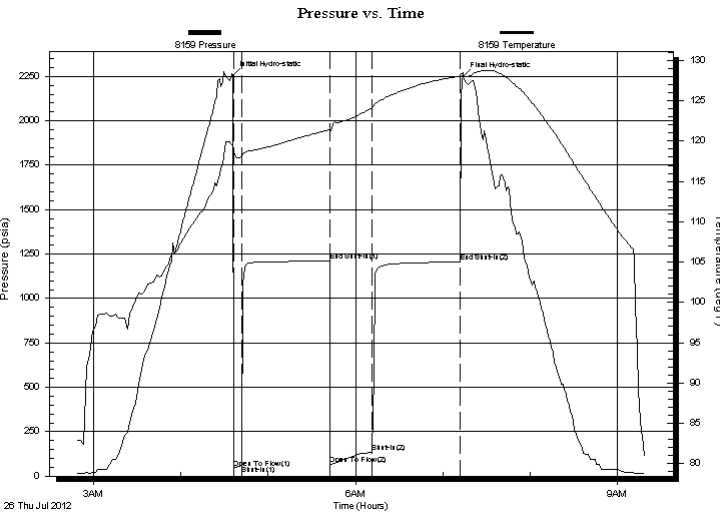
30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17373 **DST#: 4**
 Test Start: 2012.07.26 @ 02:48:00

GENERAL INFORMATION:

Formation: **Simpson**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:36:30
 Time Test Ended: 09:18:30
 Interval: **4610.00 ft (KB) To 4642.00 ft (KB) (TVD)**
 Total Depth: 4642.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3320 Pratt/
 Reference Elevations: 1826.00 ft (KB)
 1813.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159 Outside
 Press @ RunDepth: 1204.81 psia @ 4639.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.26 End Date: 2012.07.26 Last Calib.: 2012.07.26
 Start Time: 02:48:00 End Time: 09:19:00 Time On Btm: 2012.07.26 @ 04:35:30
 Time Off Btm: 2012.07.26 @ 07:14:00

TEST COMMENT: 1ST Open 5 Minutes/Weak blow/Blow built to 3/4 inch
 1ST Shut In 60 Minutes/No blow back
 2ND Open 30 Minutes/Fair blow/Blow built to 5 1/2 inches
 2ND Shut In 60 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2257.04	119.47	Initial Hydro-static
1	44.77	118.67	Open To Flow (1)
6	59.91	118.05	Shut-In(1)
67	1208.96	121.41	End Shut-In(1)
67	64.39	121.06	Open To Flow (2)
96	134.71	124.11	Shut-In(2)
157	1204.81	128.06	End Shut-In(2)
159	2251.02	128.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Mud 100%	0.37
120.00	Muddy Water	0.73
0.00	Mud 20% Water 80%	0.00
0.00	Recovery Chlorides 56000 ppm	0.00
0.00	Recovery resist. .12 ohms @ 82 degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17373 **DST#: 4**
 Test Start: 2012.07.26 @ 02:48:00

Tool Information

Drill Pipe:	Length: 4420.00 ft	Diameter: 3.80 inches	Volume: 62.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 86000.00 lb
			<u>Total Volume: 62.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	4610.00 ft			Final 80000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4595.00	
Hydraulic Tool	5.00			4600.00	
Packer	5.00			4605.00	20.00 Bottom Of Top Packer
Packer	5.00			4610.00	
Anchor	27.00			4637.00	
Recorder	1.00	6731	Inside	4638.00	
Recorder	1.00	8159	Outside	4639.00	
Bullnose	3.00			4642.00	32.00 Bottom Packers & Anchor

Total Tool Length: 52.00



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G Holl Company
9431 E Central Ste 100
Wichita, Kansas 67206-2563
ATTN: Ryan Greenbaum

30-30s-13w Barber
Thompson # 2-30
Job Ticket: 17373 **DST#: 4**
Test Start: 2012.07.26 @ 02:48:00

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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

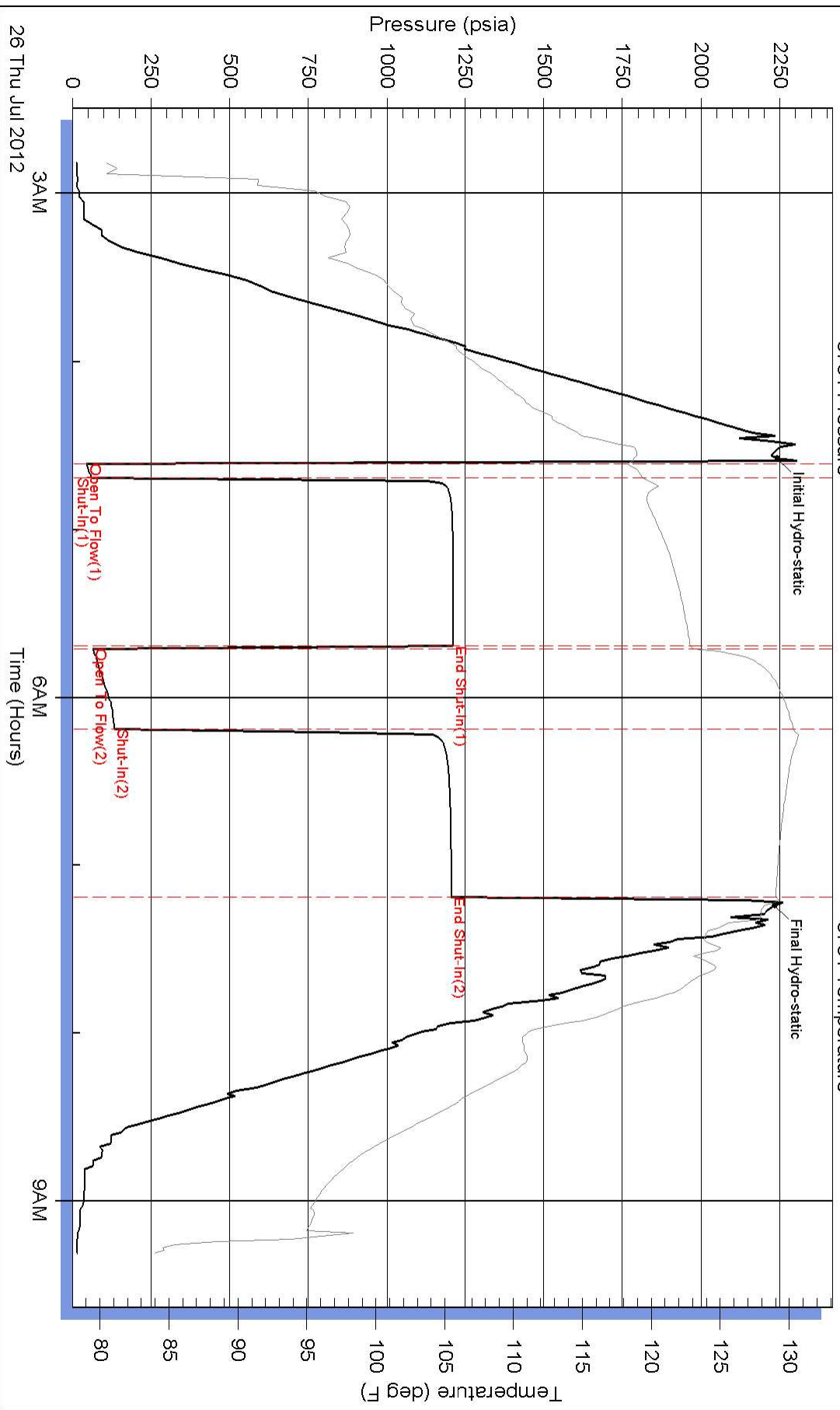
Recovery Information

Recovery Table

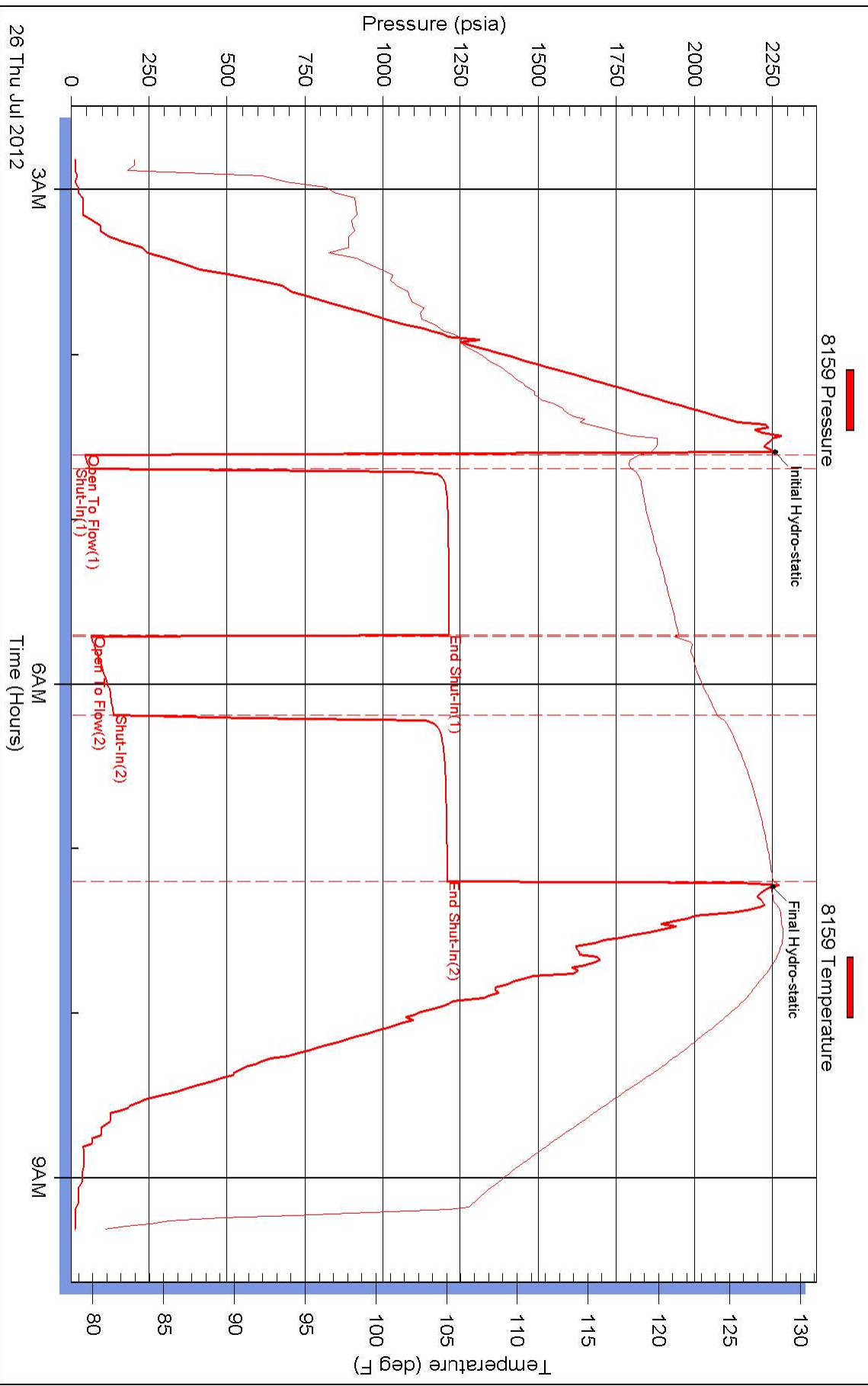
Length ft	Description	Volume bbl
75.00	Mud 100%	0.369
120.00	Muddy Water	0.727
0.00	Mud 20% Water 80%	0.000
0.00	Recovery Chlorides 56000 ppm	0.000
0.00	Recovery resist. .12 ohms @ 82 degrees	0.000

Total Length: 195.00 ft Total Volume: 1.096 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 E Central Ste 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

Thompson # 2-30

30-30s-13w Barber

Start Date: 2012.07.26 @ 20:59:00

End Date: 2012.07.27 @ 02:33:00

Job Ticket #: 17374 DST #: 5

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

Printed: 2012.07.27 @ 02:52:55



DRILL STEM TEST REPORT

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17374 **DST#: 5**
 Test Start: 2012.07.26 @ 20:59:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:02:30
 Time Test Ended: 02:33:00
 Interval: **4692.00 ft (KB) To 4698.00 ft (KB) (TVD)**
 Total Depth: 4695.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3320 Pratt/40
 Reference Elevations: 1826.00 ft (KB)
 1813.00 ft (CF)
 KB to GR/CF: 13.00 ft

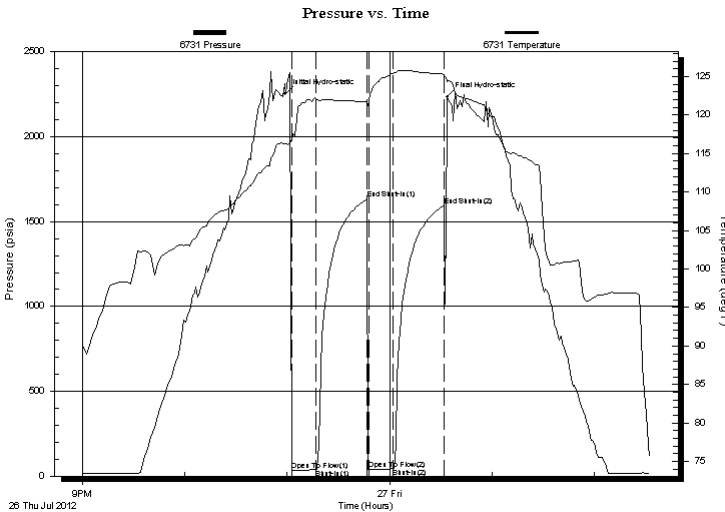
Serial #: 6731

Inside

Press @ Run Depth: 42.87 psia @ 4694.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.26 End Date: 2012.07.27 Last Calib.: 2012.07.27
 Start Time: 20:59:00 End Time: 02:33:00 Time On Btm: 2012.07.26 @ 22:59:00
 Time Off Btm: 2012.07.27 @ 00:34:00

TEST COMMENT: 1ST Open 15 Minutes/Very weak surface blow/Blow died in 8 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 15 Minutes/Dead/No blow
 2ND Shut In 30 Minutes/No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2252.02	116.27	Initial Hydro-static
4	34.24	116.89	Open To Flow (1)
18	39.29	122.15	Shut-In(1)
48	1631.99	121.80	End Shut-In(1)
49	39.87	121.92	Open To Flow (2)
63	42.87	125.46	Shut-In(2)
93	1594.71	125.31	End Shut-In(2)
95	2236.32	124.40	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



DRILL STEM TEST REPORT

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

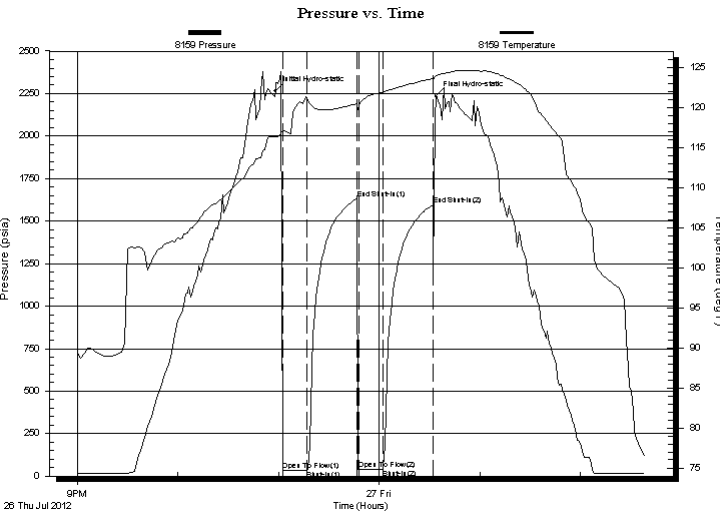
30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17374 **DST#: 5**
 Test Start: 2012.07.26 @ 20:59:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:02:30
 Time Test Ended: 02:33:00
 Interval: **4692.00 ft (KB) To 4698.00 ft (KB) (TVD)**
 Total Depth: 4695.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3320 Pratt/40
 Reference Elevations: 1826.00 ft (KB)
 1813.00 ft (CF)
 KB to GR/CF: 13.00 ft

Serial #: 8159 Outside
 Press @ RunDepth: 1595.68 psia @ 4695.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.07.26 End Date: 2012.07.27 Last Calib.: 2012.07.27
 Start Time: 20:59:00 End Time: 02:39:00 Time On Btm: 2012.07.26 @ 22:58:00
 Time Off Btm: 2012.07.27 @ 00:34:00

TEST COMMENT: 1ST Open 15 Minutes/Very weak surface blow/Blow died in 8 minutes
 1ST Shut In 30 Minutes/No blow back
 2ND Open 15 Minutes/Dead/No blow
 2ND Shut In 30 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2264.26	116.41	Initial Hydro-static
5	32.02	117.14	Open To Flow (1)
19	36.40	121.23	Shut-In(1)
49	1632.87	120.53	End Shut-In(1)
50	37.49	120.20	Open To Flow (2)
64	42.23	121.98	Shut-In(2)
94	1595.68	123.67	End Shut-In(2)
96	2236.66	124.05	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17374 **DST#: 5**
 Test Start: 2012.07.26 @ 20:59:00

Tool Information

Drill Pipe:	Length: 4492.00 ft	Diameter: 3.80 inches	Volume: 63.01 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 94000.00 lb
			<u>Total Volume: 63.90 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 79000.00 lb
Depth to Top Packer:	4692.00 ft			Final 79000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4669.00	
Hydraulic Tool	5.00			4674.00	
Jars	6.00			4680.00	
Safety Joint	2.00			4682.00	
Packer	5.00			4687.00	28.00 Bottom Of Top Packer
Packer	5.00			4692.00	
Anchor	1.00			4693.00	
Recorder	1.00	6731	Inside	4694.00	
Recorder	1.00	8159	Outside	4695.00	
Bullnose	3.00			4698.00	6.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G Holl Company
 9431 E Central Ste 100
 Wichita, Kansas 67206-2563
 ATTN: Ryan Greenbaum

30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17374 **DST#: 5**
 Test Start: 2012.07.26 @ 20:59:00

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: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

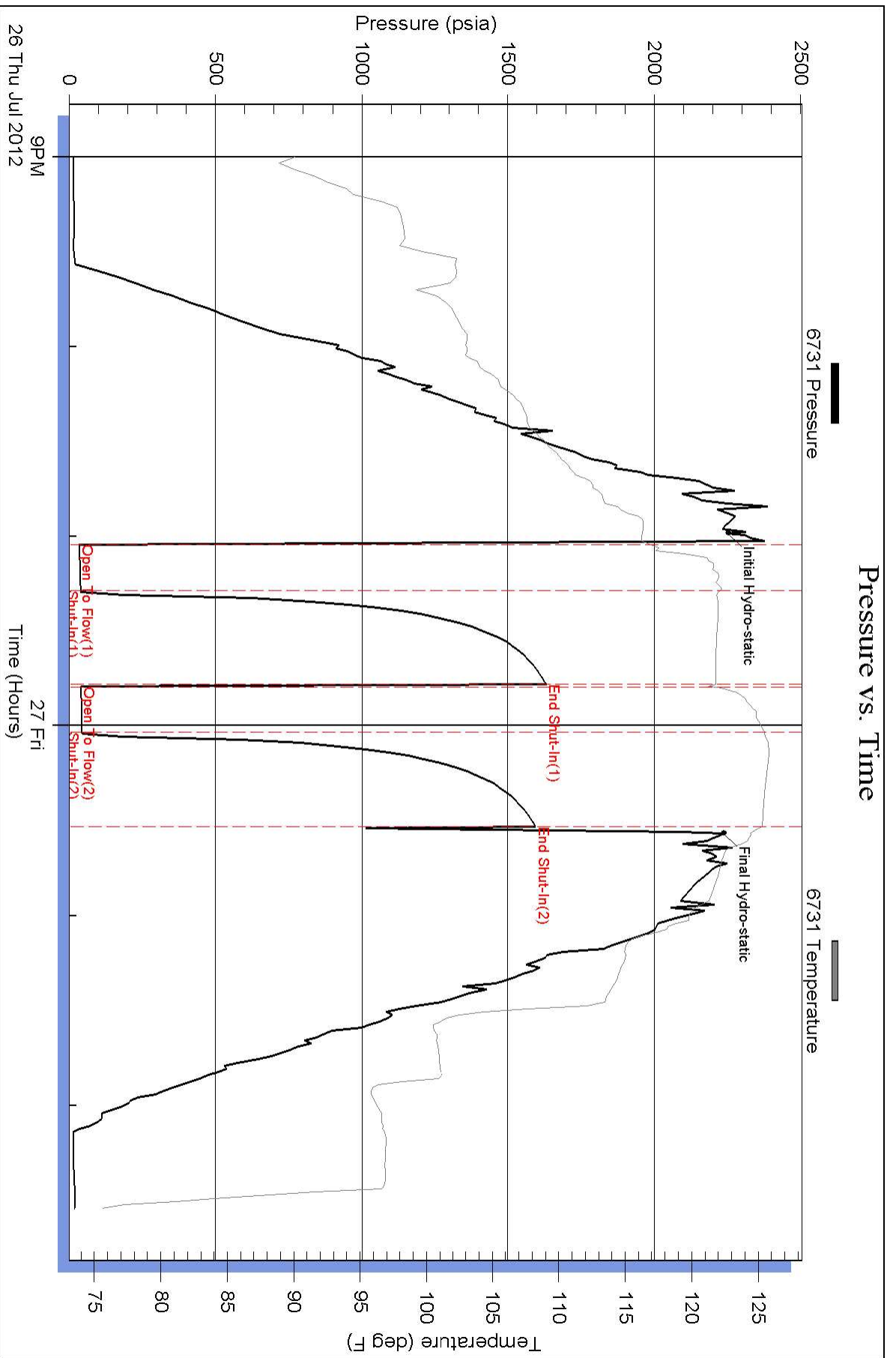
Recovery Information

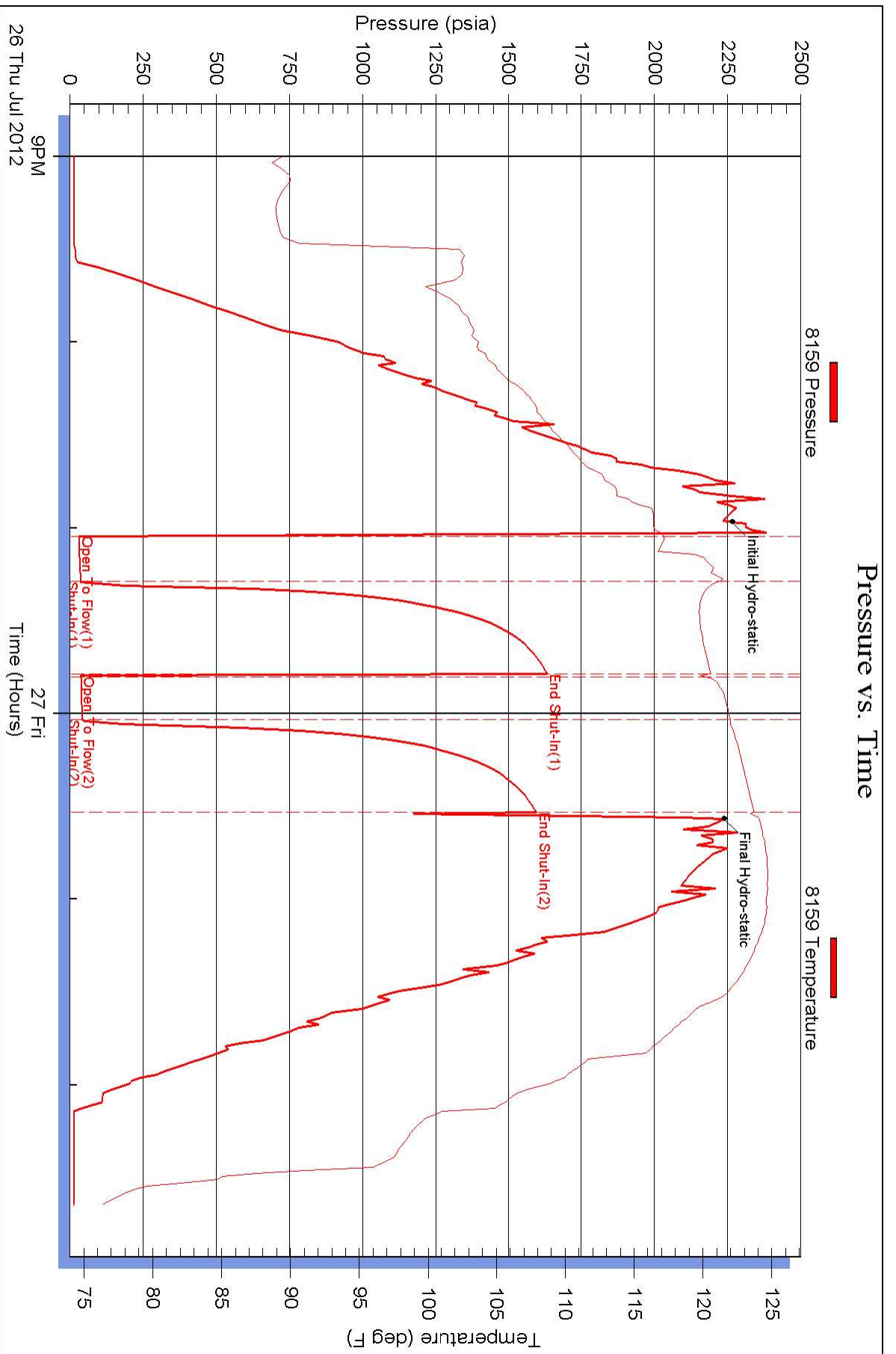
Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Pressure vs. Time





Customer FG Holl Co. LLC	Lease No.	Date 7-28-12
Lease Thompson	Well # 2-30	
Field Order # 05948A	Station Pratt KS	Casing
Type Job PTA	Formation T0 4850	Legal Description 30-70-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
	4 7/8" D.P.	205		SKs 60/40 Per	4 7/8	662	18.8	1 gal
Depth	Depth	From	To	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative Gaylen TP.	Station Manager scotty	Treater Allen
---------------------------------------	---------------------------	------------------

Service Units	28443	23702	20920	19960	21010				
Driver Names	Allen	Eric	wright	steve	young	Brett	Reed		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1130 am					on loc. Discuss Safety, Setup Plan Jo
					1st Plug 4690' 50SKs
1230 pm			15	4	Pump 15 BBL H ²⁰
			12.7	4	mix + pump 50SKs
			4	4	Pump 4 BBL H ²⁰
					Disp 60 Bbls mud.
1250					Pull Drill Pipe
					2nd Plug 1020' 50SKs
145			15	4	Pump 15 BBL H ²⁰
			12.7	4	mix + pump 50SKs
			5	4	Pump 5 BBL H ²⁰
200					Pull Drill pipe.
					2nd Plug 400' 30-SKs
315			5	4	Pump 5 BBL H ²⁰
			8	4	mix + pump 30SKs
			2		Pump 2 BBL H ²⁰
330					Pull Drill Pipe + RN + m.H. + B.P.
500			6	2	60' TO SURFACE 25SKs
			8		Plug Rat Hole 20SKs
545			5		Plug mousehole 20SKs
					Washup + Rackup. Job complete
					thanks Allen Eric Steve



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 06293 A

DATE _____ TICKET NO. _____

DATE OF JOB: 7-16-2012 DISTRICT: PRATT, Ks.		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: FG HOLL CO., INC.		LEASE: THOMPSON WELL NO: 2-30							
ADDRESS:		COUNTY: BARBER STATE: Ks.							
CITY: STATE:		SERVICE CREW: LESLEY, MARQUEZ, PHUF							
AUTHORIZED BY:		JOB TYPE: CALW - 8 5/8" S.P.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	PM	TIME
27463	9					7-15-12		PM	10:00
37586	9							PM	11:30
19760-21010	9						7-16-12	PM	2:00
19959-19860	9							PM	11:00
								PM	11:30
									MILES FROM STATION TO WELL: 20

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
CP 101	A-CON BLEND	SK	280		
CP 100C	COMMON CMT.	SK	175		
CC 109	CALCIUM CHLORIDE	lb	1122		
CC 102	CEL - FLAKE	lb	114		
CF 105	TOP RUBBER CMT. PLUG, 8 5/8"	EA	1		
CF 753	ALUMINUM BAFFLE PLATE, 8 5/8"	EA	1		
CF 1753	CENTRALIZER, 8 5/8"	EA	3		
CF 1903	BASKET, 8 5/8"	EA	2		
CC 131	SUGAR	lb	50		
E 100	PICKUP MILEAGE	MI	20		
E 101	HEAVY EQUIPMENT MILEAGE	MI	60		
E 113	BULK DELIVERY CHARGE	TM	500		
CE 201	DEPTH CHARGE; 501-1000'	HR	1-4		
CE 240	BLENDING SERVICE CHARGE	SK	530		
CE 504	PLUG CONTAINER CHARGE	JOB	1		
S 603	SERVICE SUPERVISOR	EA	1		
CP 100C	COMMON CMT: 7-TOP CELLAR	SK	75		

SUB TOTAL
DLS

CHEMICAL / ACID DATA:			

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

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

BASIC

energy services, L.P.

TREATMENT REPORT

Customer FG HOLL CO., INC.	Lease No.	Date 7-16-2012
Lease THOMPSON	Well # 2-30	
Field Order # 062113	Station PRATT, KS.	Casing 5 5/8"
Type Job CNW-8 5/8" S.P.	Depth 8 1/8"	County BARBER
	Formation TD=1097'	State KS.
		Legal Description 30-30-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 1/8" x 2 1/2"	Tubing Size 5 1/2"	Shots/Ft CMT-	Acid 280SK A-CON	Pre Pad @ 2.05 CUFT	Rate	Press	ISIP	
Depth 1074.34'	From	To	Pad 175SKS COMMON	Min	5 Min.			
Volume 125.24 BBL	From	To	Frag @ 1.20 CUFT	Avg	10 Min.			
Max Press 500	From	To		HHP Used	15 Min.			
Well Connection P.C.	Annulus Vol.	From	To	Gas Volume				Annulus Pressure
Plug Depth 1053.76'	Packer Depth	From	To	Flush No				Total Load

Customer Representative ROB LONG	Station Manager D. SCOTT	Treater K. LESLEY
-------------------------------------	-----------------------------	----------------------

Service Units 37586	27463	19959	19860	19960	21010				
Driver Names LESLEY	MARQUEZ	PHUE		ON LOC.					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30 PM	7-15-12				ON LOCATION - SAFETY MEETING
12:30 PM	7-16-12				RUN 24 JS. & 5 1/8" x 2 1/2" CSG.
					CENT- 1, 12, 23
					BASK- 2, 24
5:40 PM					CSG. ON BOTTOM
5:45 PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
	100		3	3	H2O HEAD
	50		102	3	MIX 280SKS A-CON @ 12.6 PPG
	50		38	3	MIX 175SKS COMMON @ 15.6 PPG
					SHUT DOWN - RELEASE PLUG
	0		0	3	START DISPLACEMENT
	100		50	3	SLOW RATE
7:30 PM	200		66	3	PLUG DOWN - CLOSE IN @ HEAD
					CIR. D LOST CIRC.
					CIRC. O BBLS TO PIT
10:30 PM	0		16	1	1" TO 40' - CMT TO SURFACE.
					JOB COMPLETE,
					THANKS -
					KELLEN LESLEY