



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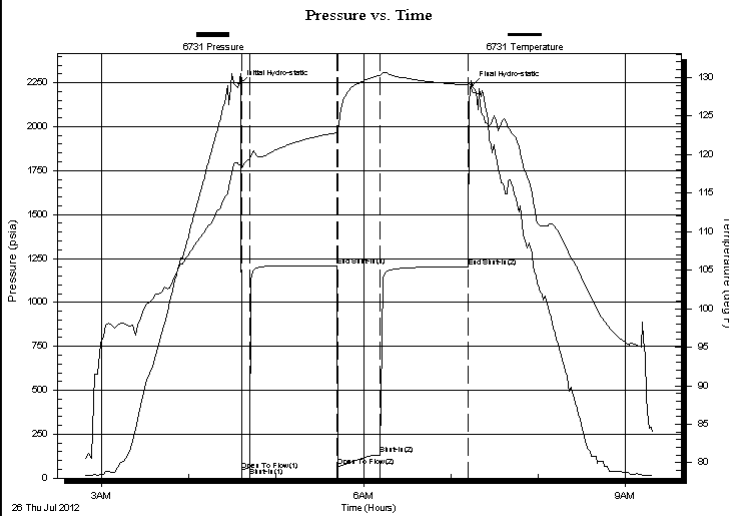
30-30s-13w Barber
Thompson # 2-30
 Job Ticket: 17373 **DST#: 4**
 Test Start: 2012.07.26 @ 02:48:00

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)



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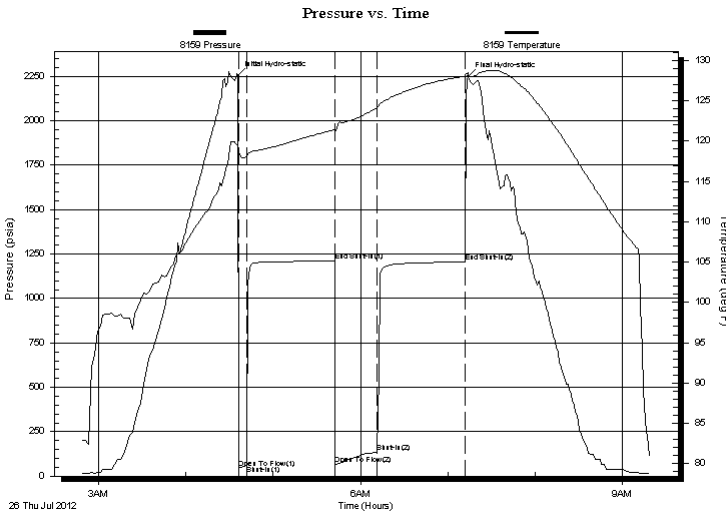
GENERAL INFORMATION:

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)



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TOOL DIAGRAM

F.G Holl Company
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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



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FLUID SUMMARY

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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			

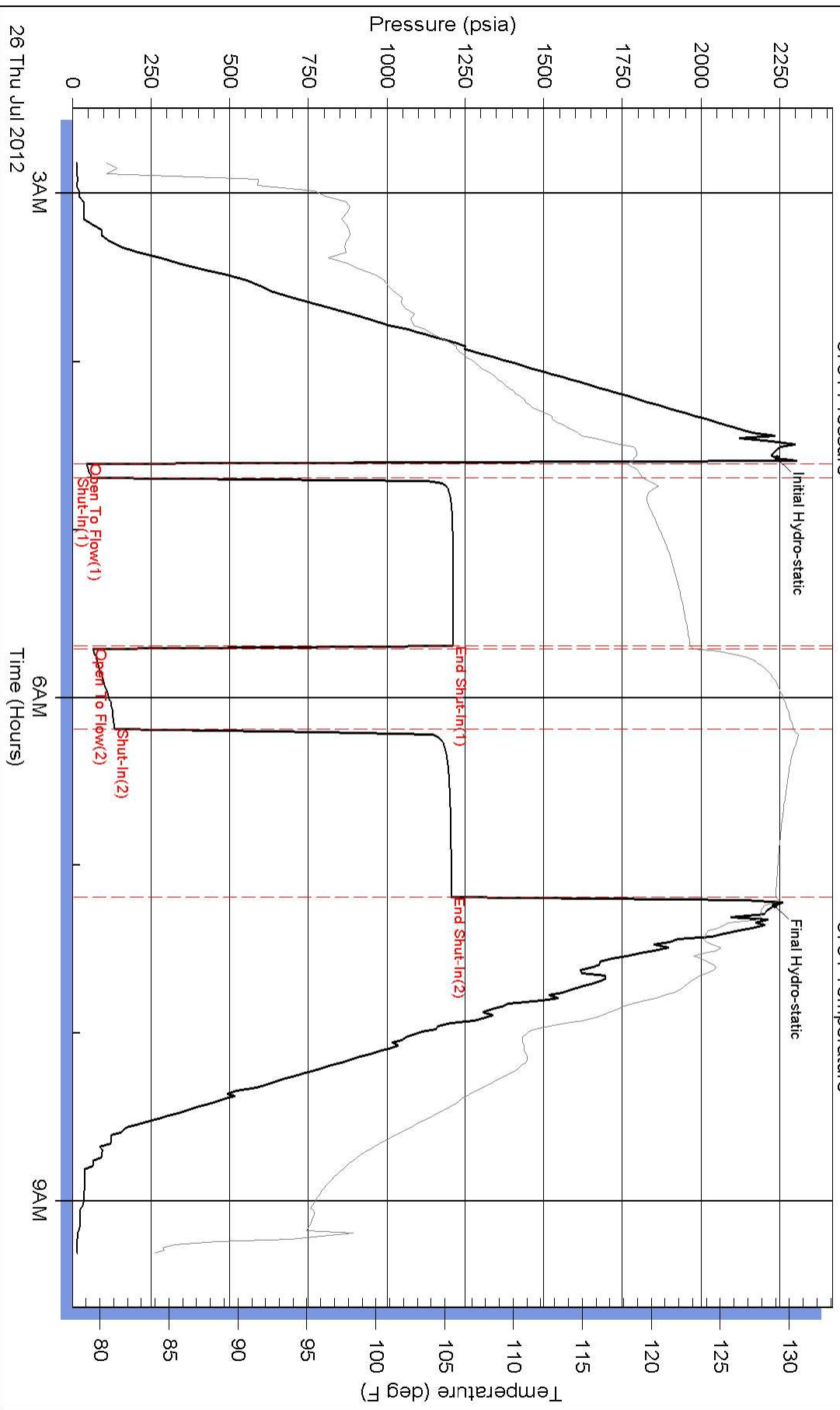
Recovery Information

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

