



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

25-22s-15w

Blackwell-Peterson Unit #1-25

Start Date: 2011.05.17 @ 06:50:00

End Date: 2011.05.17 @ 00:00:00

Job Ticket #: 16579 DST #: 4

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

Printed: 2011.05.17 @ 14:10:54



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Job Ticket: 16579

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Test Start: 2011.05.17 @ 06:50:00

GENERAL INFORMATION:

Formation: **Kansas City "I & J"**

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: 3702.00 ft (KB) To 3746.00 ft (KB) (TVD)

Reference Elevations: 1996.00 ft (KB)

Total Depth: 3746.00 ft (KB) (TVD)

1988.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 27799 Outside

Press @ Run Depth: 1044.75 psia @ 3743.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.17 End Date: 2011.05.17

Last Calib.: 2011.05.17

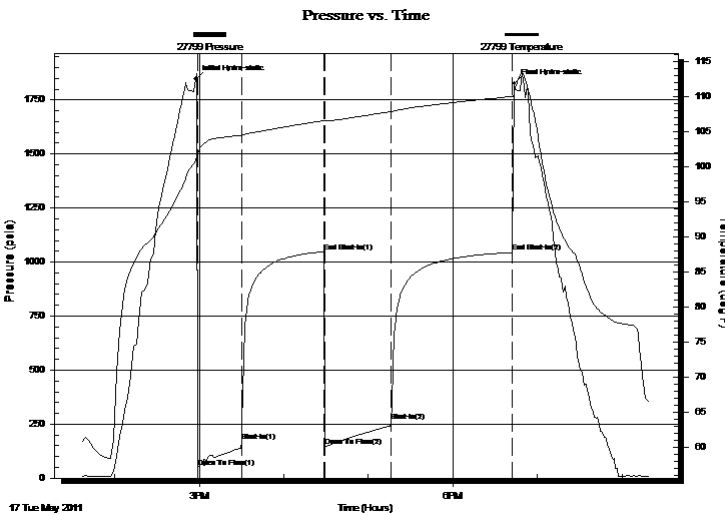
Start Time: 13:37:21 End Time: 20:19:21

Time On Btm: 2011.05.17 @ 14:57:21

Time Off Btm: 2011.05.17 @ 18:43:21

TEST COMMENT: 1st Opening 30 Minutes-Weak steady 1 inch blow
1st Shut-In 60 Minute-No blow back
2nd Shut-In 45 Minutes-Weak steady 1/2 inch blow
2nd shut-In 90 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1844.54	100.88	Initial Hydro-static
2	48.76	101.96	Open To Flow (1)
33	170.57	104.50	Shut-In(1)
91	1048.55	106.60	End Shut-In(1)
92	147.73	106.61	Open To Flow (2)
139	262.95	107.85	Shut-In(2)
225	1044.75	110.01	End Shut-In(2)
226	1825.98	110.45	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	oil cut muddy w ater	0.98
0.00	5%Oil 25%Mud 70%Water	0.00
120.00	Slightly muddy w ater w ith a trace of oil	1.68
0.00	1%Oil 15%mud 84%Water	0.00
180.00	Slightly muddy w ater	2.52
0.00	Chlorides 66000	0.00

Gas Rates

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



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DST#: 4

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Test Start: 2011.05.17 @ 06:50:00

GENERAL INFORMATION:

Formation: **Kansas City "I & J"**

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: 3702.00 ft (KB) To 3746.00 ft (KB) (TVD)

Reference Elevations: 1996.00 ft (KB)

Total Depth: 3746.00 ft (KB) (TVD)

1988.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 26182 Inside

Press @ Run Depth: 1046.89 psia @ 3742.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.17 End Date: 2011.05.17

Last Calib.: 2011.05.17

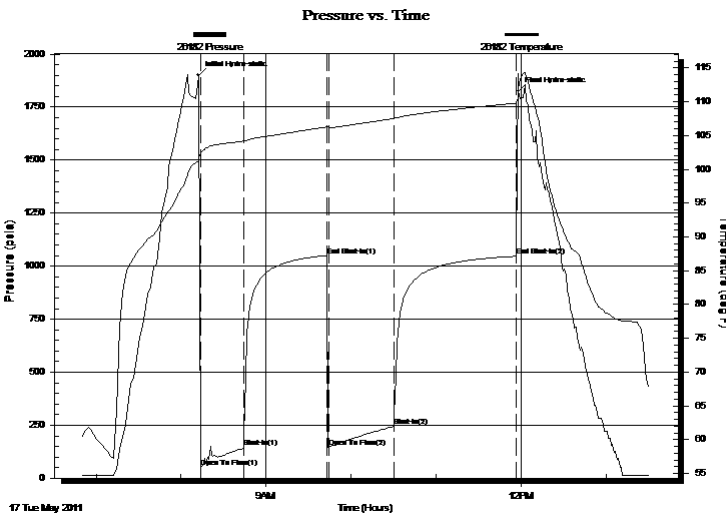
Start Time: 06:50:30 End Time: 13:31:00

Time On Btm: 2011.05.17 @ 08:12:00

Time Off Btm: 2011.05.17 @ 11:58:00

TEST COMMENT: 1st Opening 30 Minutes-Weak steady 1 inch blow
1st Shut-In 60 Minute-No blow back
2nd Shut-In 45 Minutes-Weak steady 1/2 inch blow
2nd shut-In 90 Minutes-No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1899.88	101.33	Initial Hydro-static
2	52.79	102.29	Open To Flow (1)
32	144.31	104.19	Shut-In(1)
91	1050.29	106.27	End Shut-In(1)
92	146.45	106.23	Open To Flow (2)
138	243.84	107.52	Shut-In(2)
225	1046.89	109.81	End Shut-In(2)
226	1823.66	111.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	oil cut muddy w ater	0.98
0.00	5%Oil 25%Mud 70%Water	0.00
120.00	Slightly muddy w ater w ith a trace of oil	1.68
0.00	1%Oil 15%mud 84%Water	0.00
180.00	Slightly muddy w ater	2.52
0.00	Chlorides 66000	0.00

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company L.L.C.

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Test Start: 2011.05.17 @ 06:50:00

Tool Information

Drill Pipe:	Length: 3680.00 ft	Diameter: 3.80 inches	Volume: 51.62 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 51.62 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	3702.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	73.00 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			3678.00	
Hydraulic Tool	5.00			3683.00	
Jars	7.00			3690.00	
Safety Joint	2.00		Fluid	3692.00	
Packer	5.00			3697.00	29.00 Bottom Of Top Packer
Packer	5.00			3702.00	
Anchor	39.00			3741.00	
Recorder	1.00	91718	Inside	3742.00	
Recorder	1.00	93335	Outside	3743.00	
Bull Plug	3.00			3746.00	44.00 Bottom Packers & Anchor
Total Tool Length:	73.00				



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FLUID SUMMARY

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Test Start: 2011.05.17 @ 06:50:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 7300.00 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
70.00	oil cut muddy water	0.982
0.00	5%Oil 25%Mud 70%Water	0.000
120.00	Slightly muddy water with a trace of oil	1.683
0.00	1%Oil 15%mud 84%Water	0.000
180.00	Slightly muddy water	2.525
0.00	Chlorides 66000	0.000
0.00	Resistivity 1.2 @ 70 Degrees	0.000

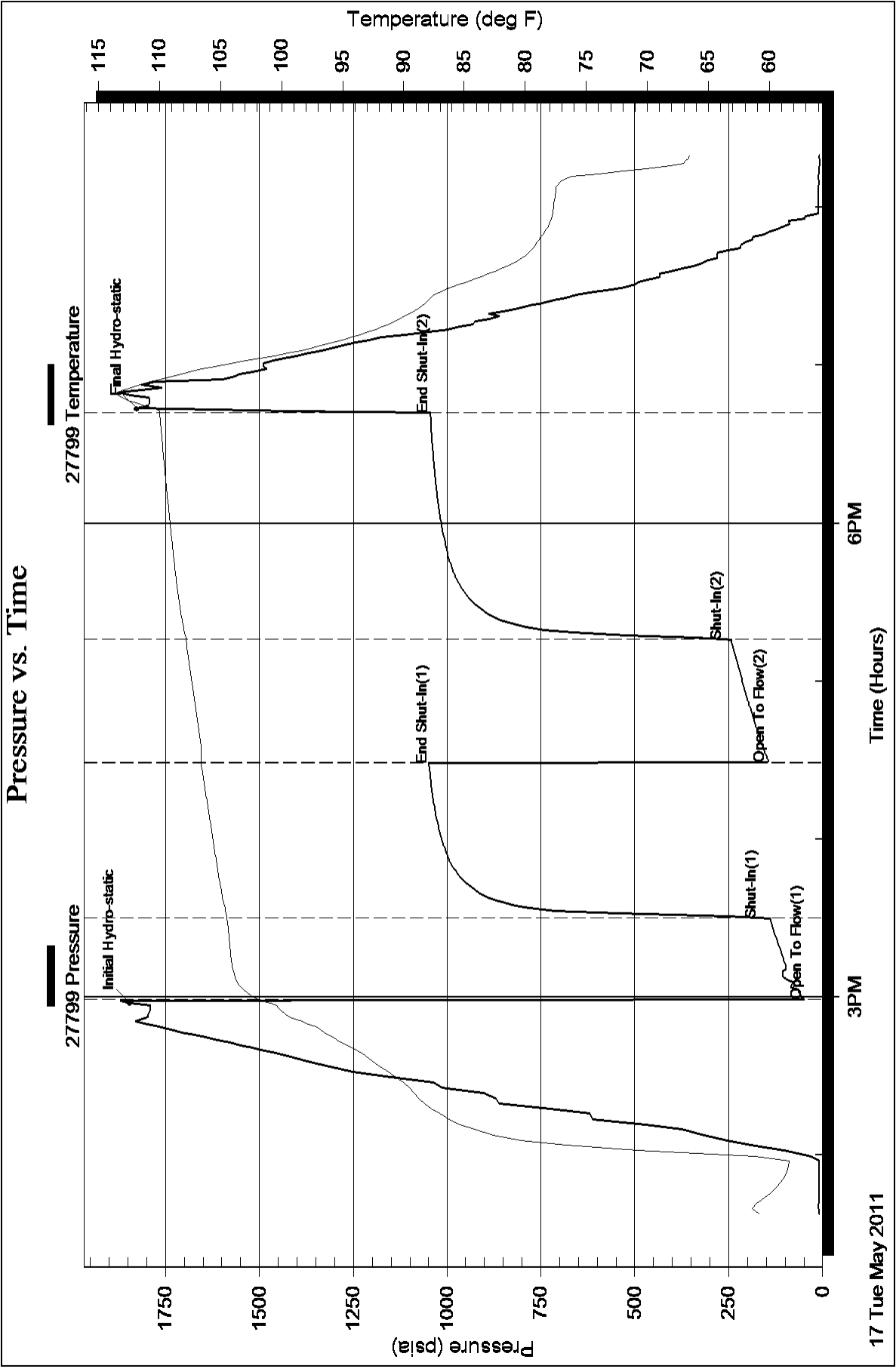
Total Length: 370.00 ft Total Volume: 5.190 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



17 Tue May 2011

6PM

3PM

Pressure vs. Time

