



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: 2011.05.18 @ 11:00:00

End Date: 2011.05.18 @ 15:42:29

Job Ticket #: 16581 DST #: 6

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

Printed: 2011.05.18 @ 16:51:54



DRILL STEM TEST REPORT

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

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25-22s-15w

Job Ticket: 16581

DST#: 6

ATTN: Rene Husted

Test Start: 2011.05.18 @ 11:00:00

GENERAL INFORMATION:

Formation: **Kansas City "L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:29:00

Time Test Ended: 15:42:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3325

Interval: 3780.00 ft (KB) To 3800.00 ft (KB) (TVD)

Reference Elevations: 1996.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

1988.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 26180 Inside

Press @ Run Depth: 39.79 psia @ 3796.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.18

End Date: 2011.05.18

Last Calib.: 2011.05.18

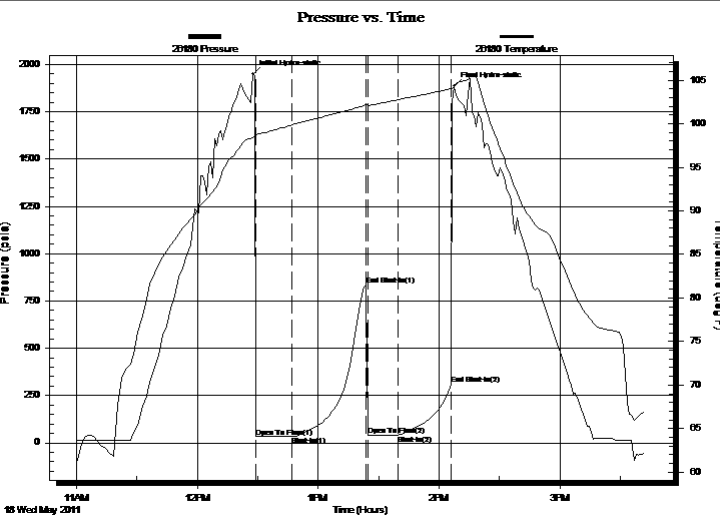
Start Time: 11:00:30

End Time: 15:42:30

Time On Btm: 2011.05.18 @ 12:27:29

Time Off Btm: 2011.05.18 @ 14:07:30

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built to 1/2 inch into the water and decreased to a very weak surface blow
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak blow built to 3 inches decreased mand died
 2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1947.94	98.38	Initial Hydro-static
2	31.42	98.68	Open To Flow (1)
20	33.94	99.85	Shut-In(1)
57	832.05	102.15	End Shut-In(1)
58	37.66	102.14	Open To Flow (2)
73	39.79	102.74	Shut-In(2)
99	309.26	104.01	End Shut-In(2)
101	1884.66	104.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Heavy oil cut mud 55%Oil 45%mud	0.42

Gas Rates

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



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Job Ticket: 16581

DST#: 6

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Time Test Ended: 15:42:29

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3325

Interval: 3780.00 ft (KB) To 3800.00 ft (KB) (TVD)

Reference Elevations: 1996.00 ft (KB)

Total Depth: 3780.00 ft (KB) (TVD)

1988.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8419 Outside

Press @ Run Depth: 304.68 psia @ 3797.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.18

End Date: 2011.05.18

Last Calib.: 2011.05.18

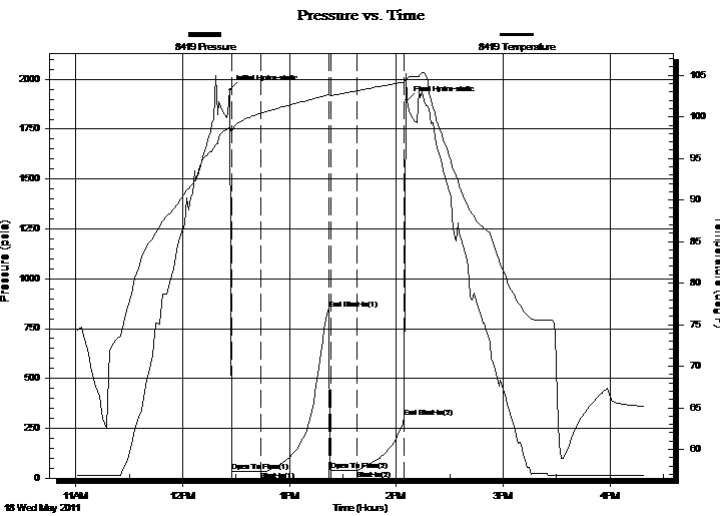
Start Time: 11:01:00

End Time: 16:19:30

Time On Btm: 2011.05.18 @ 12:26:30

Time Off Btm: 2011.05.18 @ 14:06:00

TEST COMMENT: 1st Opening 15 Minutes-Weak blow built to 1/2 inch into the water and decreased to a very weak surface blow
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes-Weak blow built to 3 inches decreased mand died
 2nd Shut-In 30 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1946.67	98.67	Initial Hydro-static
1	33.82	98.27	Open To Flow (1)
18	34.59	100.45	Shut-In(1)
56	849.39	102.67	End Shut-In(1)
57	38.65	102.56	Open To Flow (2)
72	40.76	103.16	Shut-In(2)
98	304.68	104.22	End Shut-In(2)
100	1895.30	104.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Heavy oil cut mud 55%Oil 45%mud	0.42

Gas Rates

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



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TOOL DIAGRAM

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

Blackwell-Peterson Unit #1-25

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Wichita, Kansas 67206-2563

25-22s-15w

Job Ticket: 16581

DST#: 6

ATTN: Rene Husted

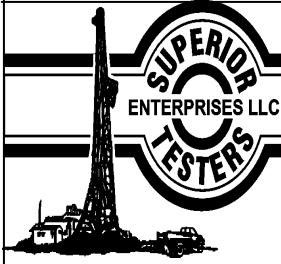
Test Start: 2011.05.18 @ 11:00:00

Tool Information

Drill Pipe:	Length: 3775.00 ft	Diameter: 3.80 inches	Volume: 52.95 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: 65000.00 lb
			<u>Total Volume: 52.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3780.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	49.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3756.00	
Hydraulic Tool	5.00			3761.00	
Jars	7.00			3768.00	
Safety Joint	2.00		Fluid	3770.00	
Packer	5.00			3775.00	29.00 Bottom Of Top Packer
Packer	5.00			3780.00	
Anchor	15.00			3795.00	
Recorder	1.00	26180	Inside	3796.00	
Recorder	1.00	8419	Outside	3797.00	
Bull Plug	3.00			3800.00	20.00 Bottom Packers & Anchor
Total Tool Length:	49.00				



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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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 12.98 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
30.00	Heavy oil cut mud 55%Oil 45%mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

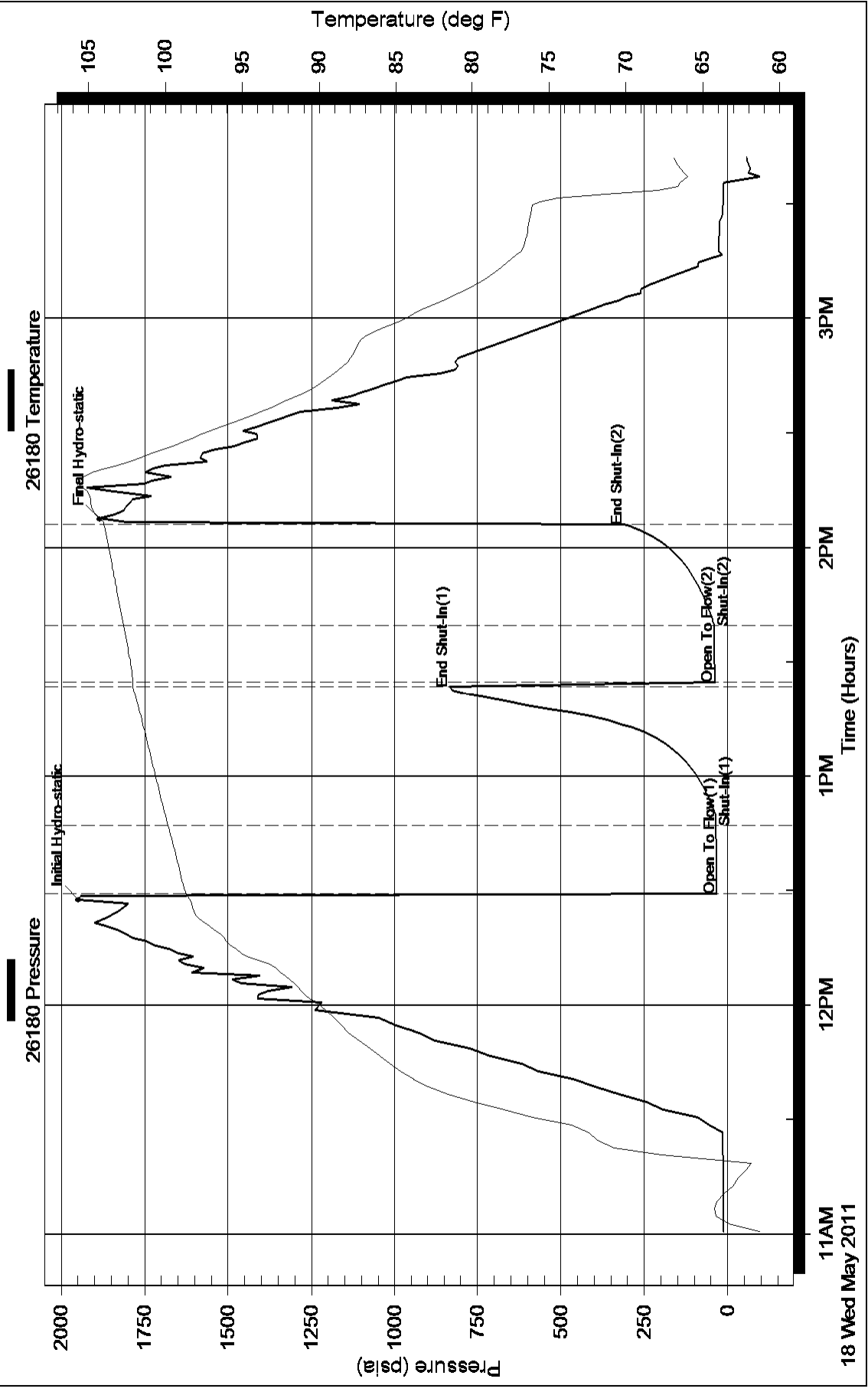
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

