



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Ryan Greenbaum

10-22s-11w Stafford

Kropp #1-10

Start Date: 2011.03.29 @ 10:30:00

End Date: 2011.03.29 @ 00:00:00

Job Ticket #: 1606 DST #: 1

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

Printed: 2011.03.29 @ 03:07:49

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

Kropp #1-10

10-22s-11w Stafford

DST # 1

Kansas City "A&B"

2011.03.29



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10-22s-11w Stafford
 Job Ticket: 1606 **DST#: 1**
 Test Start: 2011.03.29 @ 10:30:00

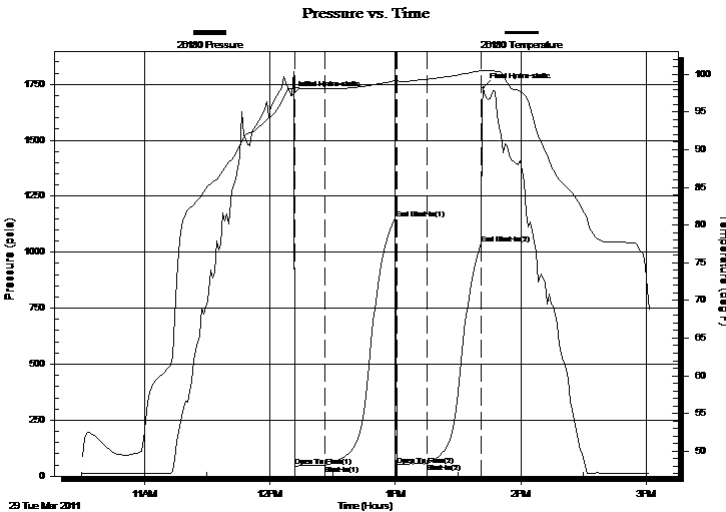
GENERAL INFORMATION:

Formation: **Kansas City "A&B"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3444.00 ft (KB) To 3485.00 ft (KB) (TVD)**
 Total Depth: 3485.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 3335-42
 Reference Elevations: 1943.00 ft (KB)
 1935.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 26180 Inside
 Press @ RunDepth: 1038.81 psia @ 3481.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.29 End Date: 2011.03.29 Last Calib.: 2011.03.29
 Start Time: 10:30:00 End Time: 15:01:59 Time On Btm: 2011.03.29 @ 12:10:30
 Time Off Btm: 2011.03.29 @ 13:42:00

TEST COMMENT: 1st Opening 15 Minutes-Weak 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	1700.75	98.17	Initial Hydro-static
2	43.53	98.27	Open To Flow (1)
16	49.80	98.06	Shut-In(1)
50	1148.99	99.13	End Shut-In(1)
50	47.94	99.11	Open To Flow (2)
65	55.71	99.34	Shut-In(2)
91	1038.81	100.48	End Shut-In(2)
92	1734.78	100.49	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

Gas Rates

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



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Job Ticket: 1606

DST#: 1

ATTN: Ryan Greenbaum

Test Start: 2011.03.29 @ 10:30:00

GENERAL INFORMATION:

Formation: **Kansas City "A&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: 3335-42

Interval: 3444.00 ft (KB) To 3485.00 ft (KB) (TVD)

Reference Elevations: 1943.00 ft (KB)

Total Depth: 3485.00 ft (KB) (TVD)

1935.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 29636 Outside

Press @ RunDepth: 1025.01 psia @ 3482.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.03.29 End Date: 2011.03.29

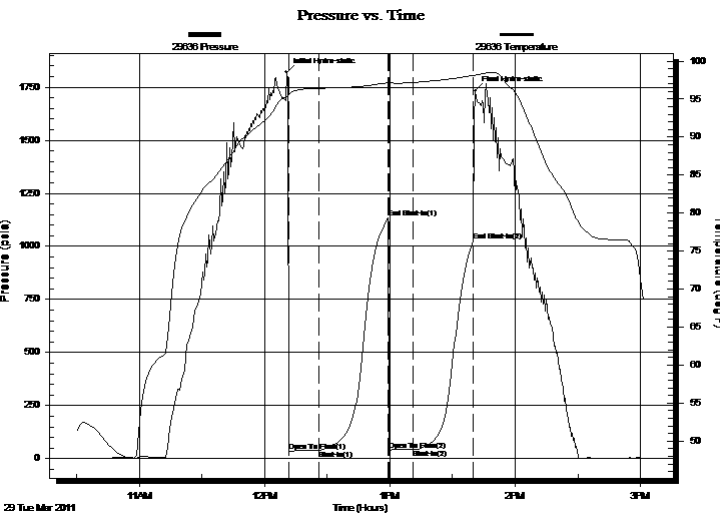
Last Calib.: 2011.03.29

Start Time: 10:30:00 End Time: 15:01:59

Time On Btm: 2011.03.29 @ 12:10:30

Time Off Btm: 2011.03.29 @ 13:41:00

TEST COMMENT: 1st Opening 15 Minutes-Weak 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	1819.94	95.37	Initial Hydro-static
1	33.48	95.63	Open To Flow (1)
16	39.86	96.41	Shut-In(1)
49	1136.33	97.13	End Shut-In(1)
49	38.27	97.14	Open To Flow (2)
61	44.48	97.18	Shut-In(2)
90	1025.01	98.11	End Shut-In(2)
91	1732.28	98.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling Mud	0.21

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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10-22s-11w Stafford

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Job Ticket: 1606

DST#: 1

Test Start: 2011.03.29 @ 10:30:00

Tool Information

Drill Pipe:	Length: 3443.00 ft	Diameter: 3.80 inches	Volume: 48.30 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: 48.30 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3444.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3416.00	
Shut-In Tool	5.00			3421.00	
Hydroic Tool	5.00			3426.00	
Jars	6.00			3432.00	
Safety Joint	2.00			3434.00	
Packer	5.00			3439.00	29.00 Bottom Of Top Packer
Packer	5.00			3444.00	
Perforations	36.00			3480.00	
Recorder	1.00	91716	Inside	3481.00	
Recorder	1.00	95172	Outside	3482.00	
Bullnose	3.00			3485.00	41.00 Bottom Packers & Anchor

Total Tool Length: 70.00



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 3300.00 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
15.00	Drilling Mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

