



DRILL STEM TEST REPORT

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

9431 East Central Suite #100
Wichita, Kansas 67206+2563

ATTN: Frank Greenbaum

Thompson #1-30

30/30S/13W Barber Co.

Start Date: 2012.01.16 @ 12:32:00

End Date: 2012.01.16 @ 00:00:00

Job Ticket #: 18868 DST #: 1

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

Printed: 2012.01.16 @ 05:52:50



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Job Ticket: 18868

DST#: 1

ATTN: Frank Greenbaum

Test Start: 2012.01.16 @ 12:32:00

GENERAL INFORMATION:

Formation: **Winfield**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dylan E Ellis

Unit No: 3345/Great Bend/150

Interval: 2210.00 ft (KB) To 2273.00 ft (KB) (TVD)

Reference Elevations: 1929.00 ft (KB)

Total Depth: 2273.00 ft (KB) (TVD)

1918.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6666 Outside

Press @ RunDepth: 790.69 psia @ 2269.59 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.01.16

End Date: 2012.01.16

Last Calib.: 2012.01.16

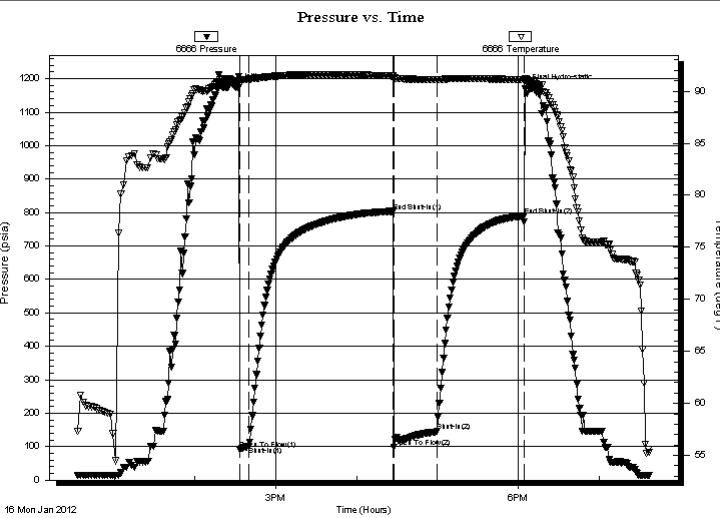
Start Time: 12:32:00

End Time: 19:37:30

Time On Btm: 2012.01.16 @ 14:32:00

Time Off Btm: 2012.01.16 @ 18:05:30

TEST COMMENT: 1ST Opening 5 Minutes strong blow /blow blew to bottom of bucket in 1 minute
 1ST Shut-In 120 Minutes no blow back
 2ND Opening 30 Minutes very strong blow /blow blew to bottom of bucket in 1 minute
 2ND Shut-In 60 Minutes yes blow back 3 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1173.52	91.00	Initial Hydro-static
2	93.05	91.04	Open To Flow (1)
8	101.67	91.15	Shut-In(1)
115	803.68	91.46	End Shut-In(1)
116	97.79	91.30	Open To Flow (2)
148	147.07	91.09	Shut-In(2)
212	790.69	91.09	End Shut-In(2)
214	1169.92	91.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	Mud 100%	1.08

Gas Rates

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



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Tester: Dylan E Ellis

Unit No: 3345/Great Bend/150

Interval: 2210.00 ft (KB) To 2273.00 ft (KB) (TVD)

Reference Elevations: 1929.00 ft (KB)

Total Depth: 2273.00 ft (KB) (TVD)

1918.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 6731 Inside

Press @ Run Depth: 789.37 psia @ 2268.59 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.01.16

End Date: 2012.01.16

Last Calib.: 2012.01.16

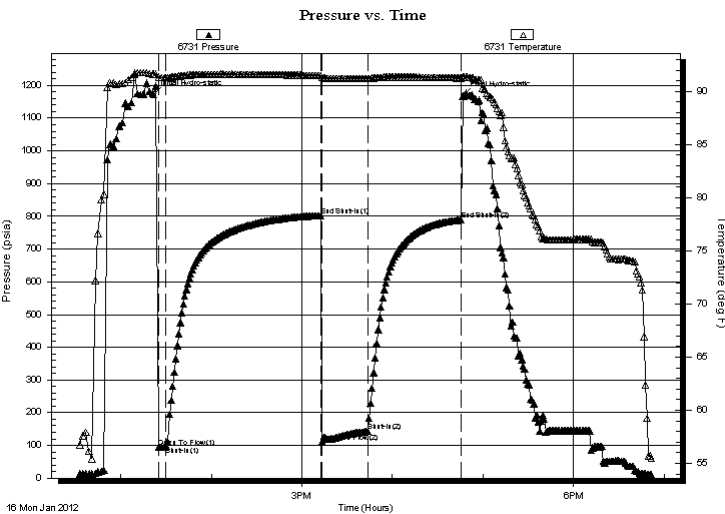
Start Time: 12:32:00

End Time: 18:52:00

Time On Btm: 2012.01.16 @ 13:22:00

Time Off Btm: 2012.01.16 @ 16:46:30

TEST COMMENT: 1ST Opening 5 Minutes strong blow /blow blew to bottom of bucket in 1 minute
 1ST Shut-In 120 Minutes no blow back
 2ND Opening 30 Minutes very strong blow /blow blew to bottom of bucket in 1 minute
 2ND Shut-In 60 Minutes yes blow back 3 inches



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1172.58	91.63	Initial Hydro-static
3	93.52	91.33	Open To Flow (1)
8	98.71	91.28	Shut-In(1)
111	802.41	91.48	End Shut-In(1)
112	110.76	91.29	Open To Flow (2)
142	142.38	91.21	Shut-In(2)
204	789.37	91.25	End Shut-In(2)
205	1167.53	91.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	Mud 100%	1.08

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company LLC

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Wichita, Kansas 67206+2563

Thompson #1-30

Job Ticket: 18868

DST#: 1

ATTN: Frank Greenbaum

Test Start: 2012.01.16 @ 12:32:00

Tool Information

Drill Pipe:	Length: 1977.00 ft	Diameter: 3.80 inches	Volume: 27.73 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: 221.18 ft	Diameter: 2.25 inches	Volume: 1.09 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 28.82 bbl</u>	Tool Chased 15.00 ft
Drill Pipe Above KB:	17.18 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	2210.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.59 ft			
Tool Length:	91.59 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			2186.00	
Hydraulic Tool	5.00			2191.00	
Jars	6.00			2197.00	
Safety Joint	3.00			2200.00	
Top Packer	5.00			2205.00	
Packer	5.00			2210.00	29.00 Bottom Of Top Packer
Perforations	5.00			2215.00	
Change Over Sub	0.75			2215.75	
Drill Pipe	30.09			2245.84	
Change Over Sub	0.75			2246.59	
Anchor	21.00			2267.59	
Recorder	1.00	6731	Inside	2268.59	
Recorder	1.00	6666	Outside	2269.59	
Bull Plug	3.00			2272.59	62.59 Anchor Tool

Total Tool Length: 91.59



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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: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 41.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 27.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 110000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	Mud 100%	1.082

Total Length: 220.00 ft Total Volume: 1.082 bbl

Num Fluid Samples: 0

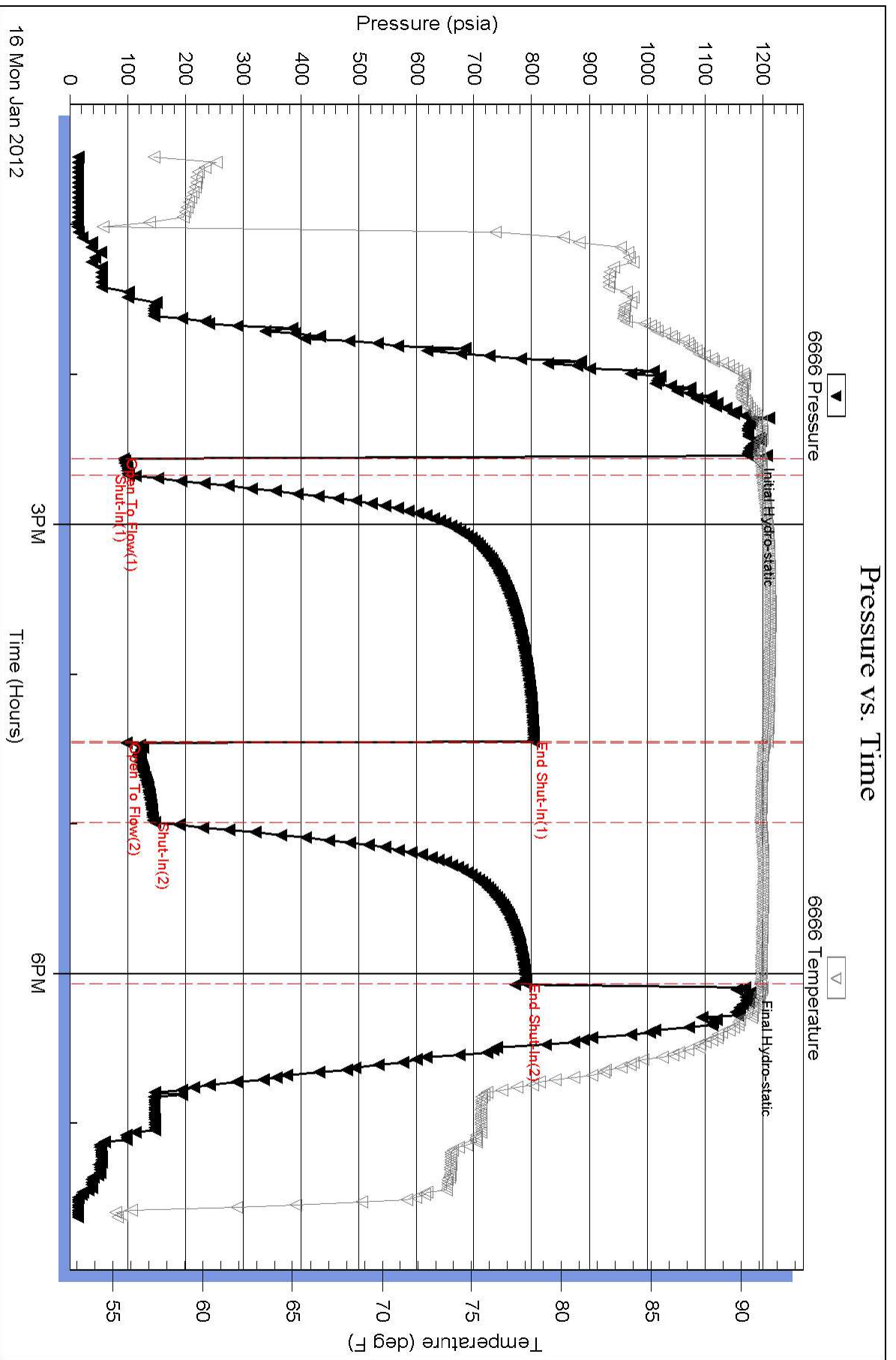
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time

