



DRILL STEM TEST REPORT

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

9431 East Central STE 100
Wichita Kansas 67206

ATTN: Rene Husted

ScottClarkJrGstTrust

25-20s-16w-Pawnee

Start Date: 2013.12.18 @ 08:35:00

End Date: 2013.12.18 @ 14:17:00

Job Ticket #: 19159 DST #: 3

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

Printed: 2013.12.18 @ 12:28:57

F.G. Holl Company

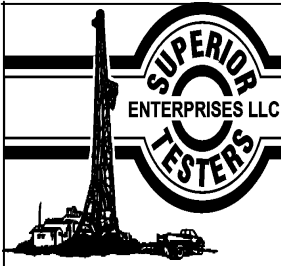
25-20s-16w-Pawnee

ScottClarkJrGstTrust

DST # 3

Conglomerate

2013.12.18



DRILL STEM TEST REPORT

F.G. Holl Company
 9431 East Central STE 100
 Wichita Kansas 67206
 ATTN: Rene Husted

25-20s-16w-Pawnee
ScottClarkJrGstTrust
 Job Ticket: 19159 **DST#: 3**
 Test Start: 2013.12.18 @ 08:35:00

GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:04:30
 Time Test Ended: 14:17:00
 Interval: **3694.00 ft (KB) To 3754.00 ft (KB) (TVD)**
 Total Depth: 3754.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-50
 Reference Elevations: 2038.00 ft (KB)
 2033.00 ft (CF)
 KB to GR/CF: 5.00 ft

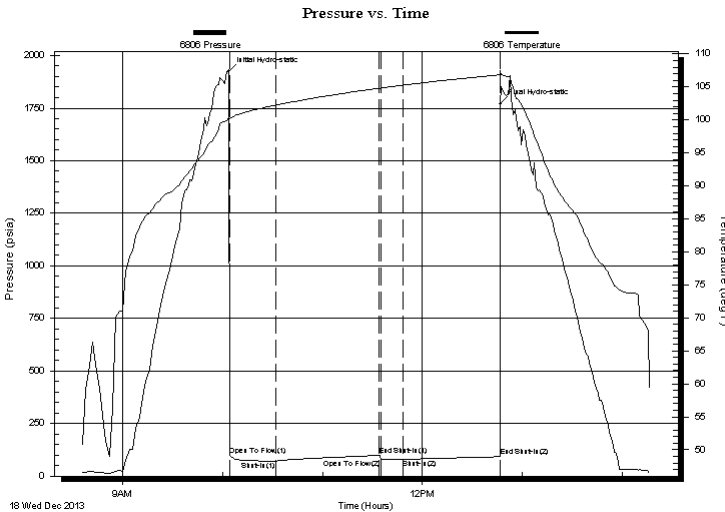
Serial #: 6806

Inside

Press @ Run Depth: 79.69 psia @ 3750.40 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.12.18 End Date: 2013.12.18 Last Calib.: 2013.12.18
 Start Time: 08:35:00 End Time: 14:17:00 Time On Btm: 2013.12.18 @ 10:04:00
 Time Off Btm: 2013.12.18 @ 12:47:00

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1 inch into a 5 gallon bucket of w ater.
 1st Shut in 60 minutes No blow back
 2nd Open 15 minutes Very weak surface blow that died off after 2 minutes.
 2nd Shut in 60 minutes No blow back

PRESSURE SUMMARY



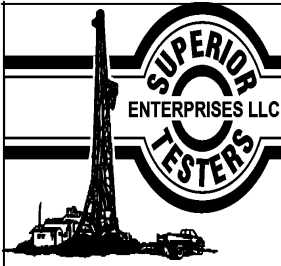
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1925.23	100.53	Initial Hydro-static
1	100.04	100.22	Open To Flow (1)
28	71.75	102.23	Shut-In(1)
90	99.26	104.81	End Shut-In(1)
91	80.41	104.84	Open To Flow (2)
105	79.69	105.28	Shut-In(2)
163	92.77	106.83	End Shut-In(2)
163	1770.78	107.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.07

Gas Rates

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



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 Wichita Kansas 67206
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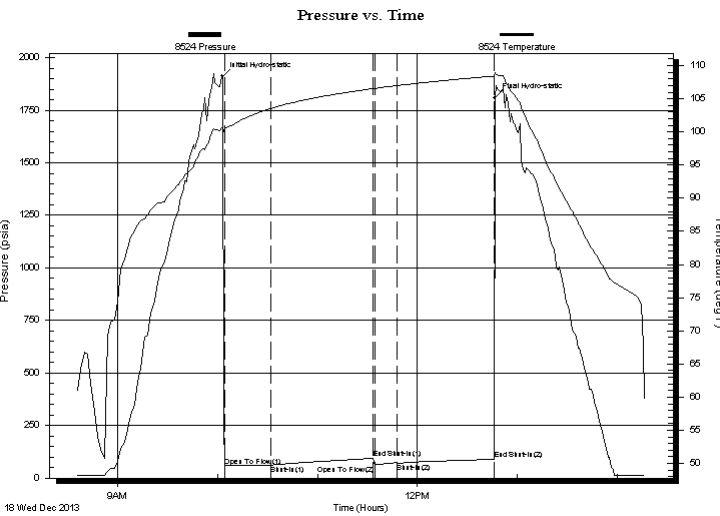
25-20s-16w-Pawnee
ScottClarkJrGstTrust
 Job Ticket: 19159 **DST#: 3**
 Test Start: 2013.12.18 @ 08:35:00

GENERAL INFORMATION:

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 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:04:30
 Time Test Ended: 14:17:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-50
 Interval: **3694.00 ft (KB) To 3754.00 ft (KB) (TVD)**
 Reference Elevations: 2038.00 ft (KB)
 Total Depth: 3754.00 ft (KB) (TVD) 2033.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8524 Outside
 Press @ Run Depth: 89.77 psia @ 3751.40 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.12.18 End Date: 2013.12.18 Last Calib.: 2013.12.18
 Start Time: 08:35:00 End Time: 14:16:30 Time On Btm: 2013.12.18 @ 10:03:00
 Time Off Btm: 2013.12.18 @ 12:46:30

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1 inch into a 5 gallon bucket of w ater.
 1st Shut in 60 minutes No blow back
 2nd Open 15 minutes Very weak surface blow that died off after 2 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1910.50	100.84	Initial Hydro-static
2	58.02	100.62	Open To Flow (1)
29	60.29	103.53	Shut-In(1)
91	94.44	106.53	End Shut-In(1)
92	61.27	106.56	Open To Flow (2)
105	69.75	106.99	Shut-In(2)
163	89.77	108.42	End Shut-In(2)
164	1808.03	108.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G. Holl Company

25-20s-16w-Pawnee

9431 East Central STE 100
Wichita Kansas 67206

ScottClarkJrGstTrust

Job Ticket: 19159

DST#: 3

ATTN: Rene Hustedad

Test Start: 2013.12.18 @ 08:35:00

Tool Information

Drill Pipe:	Length: 3685.00 ft	Diameter: 3.80 inches	Volume: 51.69 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 51.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3694.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.40 ft			
Tool Length:	80.40 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut-In Tool	5.00			3679.00	
Hydraulic Tool	5.00			3684.00	
Packer	5.00			3689.00	20.00 Bottom Of Top Packer
Packer	5.00			3694.00	
Anchor	3.00			3697.00	
Change Over Sub	0.75			3697.75	
Drill Pipe	31.90			3729.65	
Change Over Sub	0.75			3730.40	
Anchor	19.00			3749.40	
Recorder	1.00	6806	Inside	3750.40	
Recorder	1.00	8524	Outside	3751.40	
Bull Plug	3.00			3754.40	60.40 Bottom Packers & Anchor

Total Tool Length: 80.40



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FLUID SUMMARY

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Wichita Kansas 67206

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Job Ticket: 19159

DST#: 3

ATTN: Rene Husted

Test Start: 2013.12.18 @ 08:35:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 71.00 sec/qt
Water Loss: 7.20 in³
Resistivity: ohm.m
Salinity: 4200.00 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
5.00	Mud 100%	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

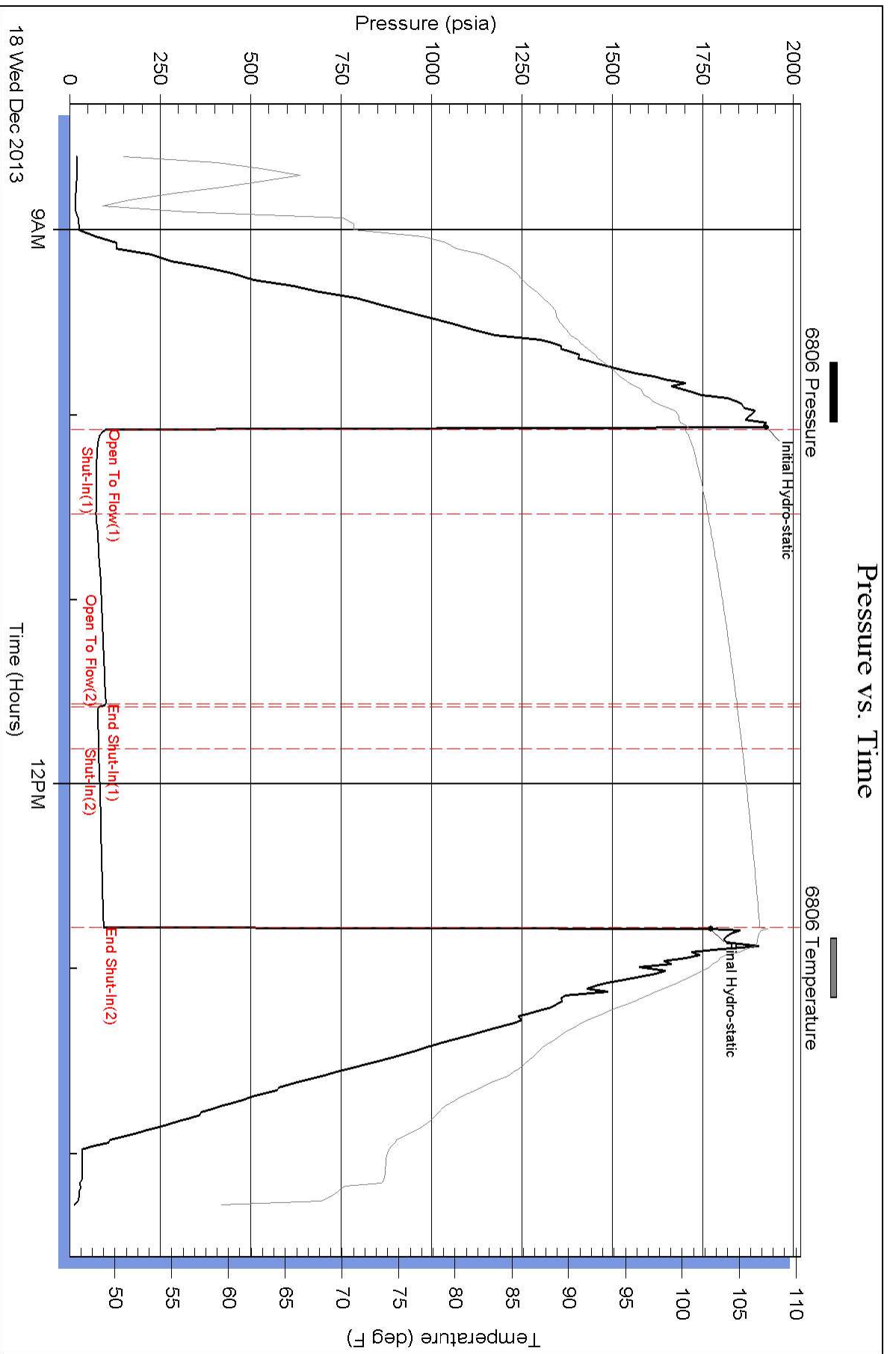
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



Pressure vs. Time

