



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: 2013.12.14 @ 03:38:00

End Date: 2013.12.14 @ 09:11:30

Job Ticket #: 19158 DST #: 2

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

Printed: 2013.12.14 @ 19:25:31



DRILL STEM TEST REPORT

F.G. Holl Company
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 Wichita Kansas 67206
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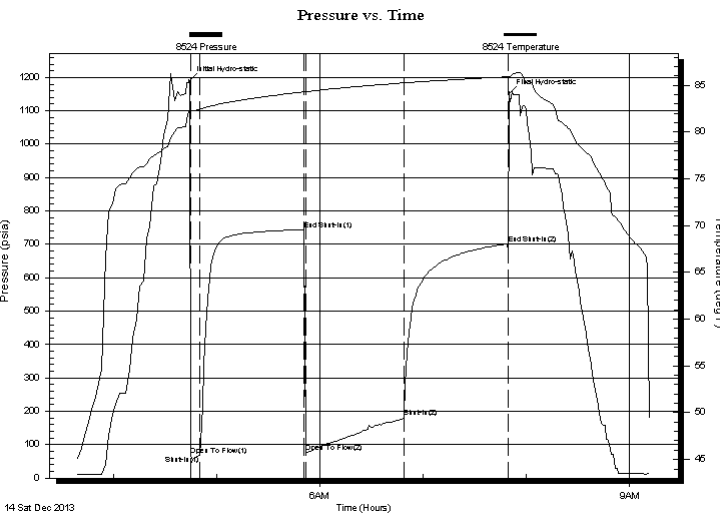
25-20s-16w-Pawnee
ScottClarkJrGstTrust
 Job Ticket: 19158 **DST#: 2**
 Test Start: 2013.12.14 @ 03:38:00

GENERAL INFORMATION:

Formation: **Crause**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 04:44:30 Tester: Dustin Ellis
 Time Test Ended: 09:11:30 Unit No: 3315-Great Bend-50
 Interval: **2296.00 ft (KB) To 2350.00 ft (KB) (TVD)** Reference Elevations: 2038.00 ft (KB)
 Total Depth: 2350.00 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: 183.77 psia @ 2347.56 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.12.14 End Date: 2013.12.14 Last Calib.: 2013.12.14
 Start Time: 03:38:00 End Time: 09:11:30 Time On Btm: 2013.12.14 @ 04:44:00
 Time Off Btm: 2013.12.14 @ 07:50:00

TEST COMMENT: 1st Open 5 minutes Strong blow blew off bottom bucket in 1.5 minutes.
 1st Shut in 60 minutes Yes blow back
 2nd Open 60 minutes Strong blow blew off bottom bucket 50 sec.
 2nd Shut in 60 minutes Yes blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1189.31	82.21	Initial Hydro-static
1	69.74	82.27	Open To Flow (1)
6	68.69	82.47	Shut-In(1)
67	744.16	84.29	End Shut-In(1)
68	76.18	84.31	Open To Flow (2)
125	183.77	85.25	Shut-In(2)
185	701.38	85.91	End Shut-In(2)
186	1152.34	85.96	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
260.00	Mud 100%	3.65

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



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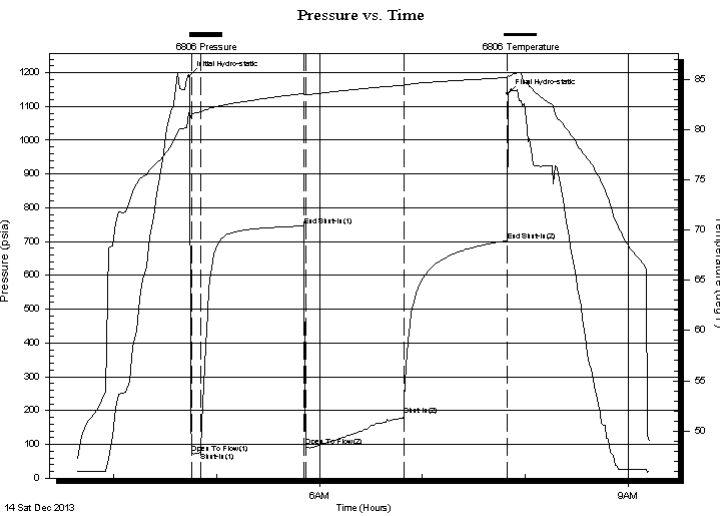
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 Total Depth: 2350.00 ft (KB) (TVD) 2033.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6806 Inside
 Press @ Run Depth: 702.12 psia @ 2346.56 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.12.14 End Date: 2013.12.14 Last Calib.: 2013.12.14
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 1st Shut in 60 minutes Yes blow back
 2nd Open 60 minutes Strong blow blew off bottom bucket 50 sec.
 2nd Shut in 60 minutes Yes blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1191.05	81.72	Initial Hydro-static
2	72.63	81.58	Open To Flow (1)
7	76.65	81.73	Shut-In(1)
67	745.89	83.57	End Shut-In(1)
68	95.30	83.43	Open To Flow (2)
125	186.96	84.40	Shut-In(2)
186	702.12	85.16	End Shut-In(2)
186	1138.17	85.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
260.00	Mud 100%	3.65

Gas Rates

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



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TOOL DIAGRAM

F.G. Holl Company

25-20s-16w-Pawnee

9431 East Central STE 100
Wichita Kansas 67206

ScottClarkJrGstTrust

Job Ticket: 19158

DST#: 2

ATTN: Rene Hustedad

Test Start: 2013.12.14 @ 03:38:00

Tool Information

Drill Pipe:	Length: 2299.00 ft	Diameter: 3.80 inches	Volume: 32.25 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: 42000.00 lb
			<u>Total Volume: 32.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	2296.00 ft			Final 31000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	54.56 ft			
Tool Length:	74.56 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			2281.00	
Hydraulic Tool	5.00			2286.00	
Packer	5.00			2291.00	20.00 Bottom Of Top Packer
Packer	5.00			2296.00	
Anchor	5.00			2301.00	
Change Over Sub	0.75			2301.75	
Drill Pipe	31.06			2332.81	
Change Over Sub	0.75			2333.56	
Anchor	12.00			2345.56	
Recorder	1.00	6806	Inside	2346.56	
Recorder	1.00	8524	Outside	2347.56	
Bull Plug	3.00			2350.56	54.56 Bottom Packers & Anchor

Total Tool Length: 74.56



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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: 38.00 sec/qt

Cushion Volume: bbl

Water Loss: 13.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 34000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
260.00	Mud 100%	3.647

Total Length: 260.00 ft Total Volume: 3.647 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

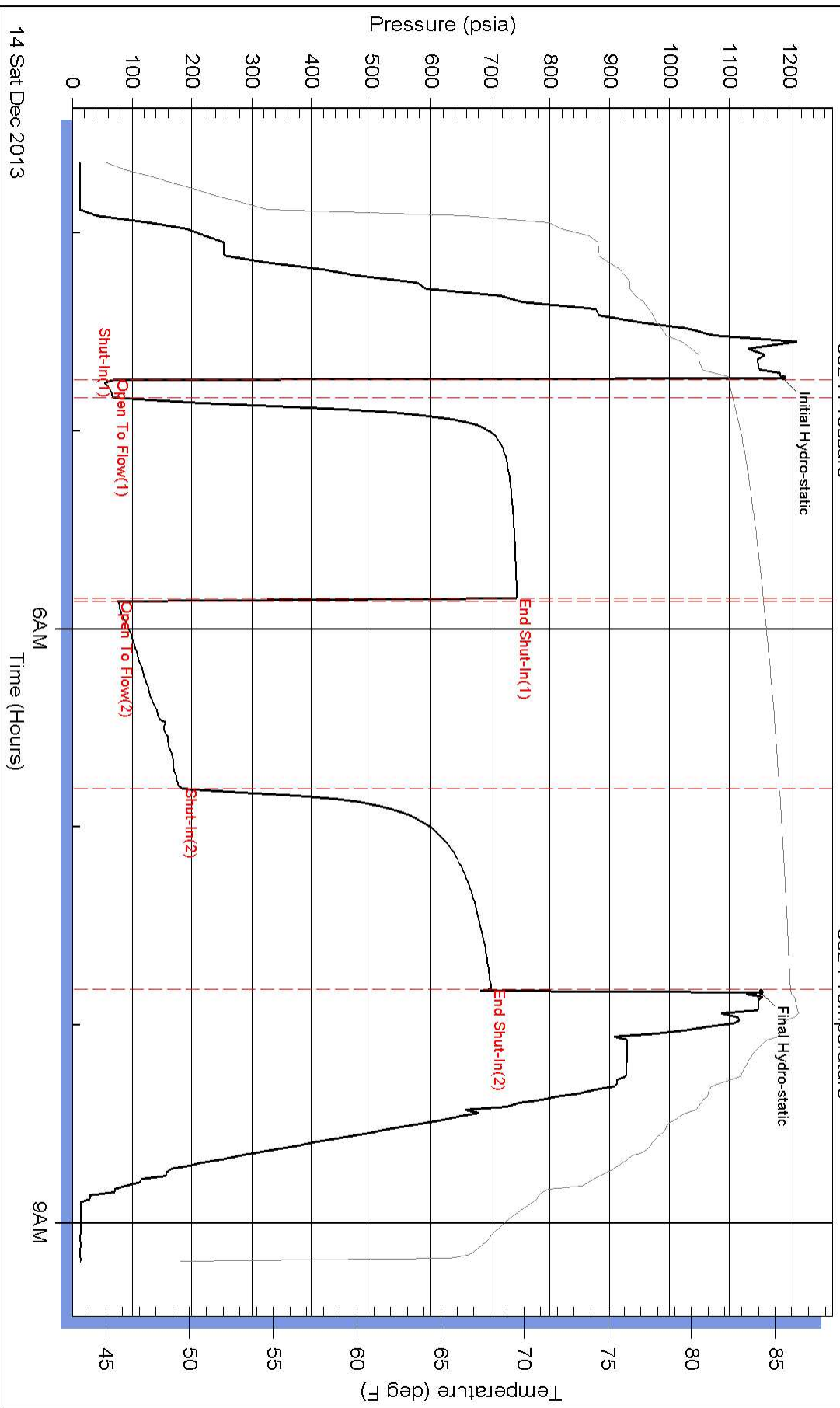
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

