



DRILL STEM TEST REPORT

Prepared For: **F G Holl Company**

9431 East Central STE 100
Wichita Kansas 67206

ATTN: Renna Husted

Neuforth 1-7

7-19s-14w-Barton

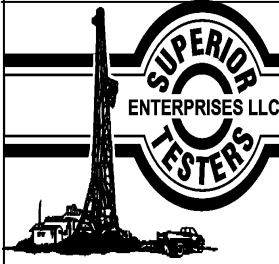
Start Date: 2013.07.08 @ 01:22:00

End Date: 2013.07.08 @ 05:36:00

Job Ticket #: 17530 DST #: 2

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

Printed: 2013.07.08 @ 15:46:34



DRILL STEM TEST REPORT

F G Holl Company

7-19s-14w-Barton

9431 East Central STE 100
Wichita Kansas 67206

Neuforth 1-7

Job Ticket: 17530

DST#: 2

ATTN: Renna Hustead

Test Start: 2013.07.08 @ 01:22:00

GENERAL INFORMATION:

Formation: **Tarkio**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:43:00

Time Test Ended: 05:36:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-35

Interval: **2674.00 ft (KB) To 2721.00 ft (KB) (TVD)**

Reference Elevations: 1938.00 ft (KB)

Total Depth: 2721.00 ft (KB) (TVD)

1931.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 7.00 ft

Serial #: **6806** Outside

Press @ RunDepth: 76.34 psia @ 2718.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2013.07.08

End Date:

2013.07.08

Last Calib.:

2013.07.08

Start Time:

01:22:00

End Time:

05:36:00

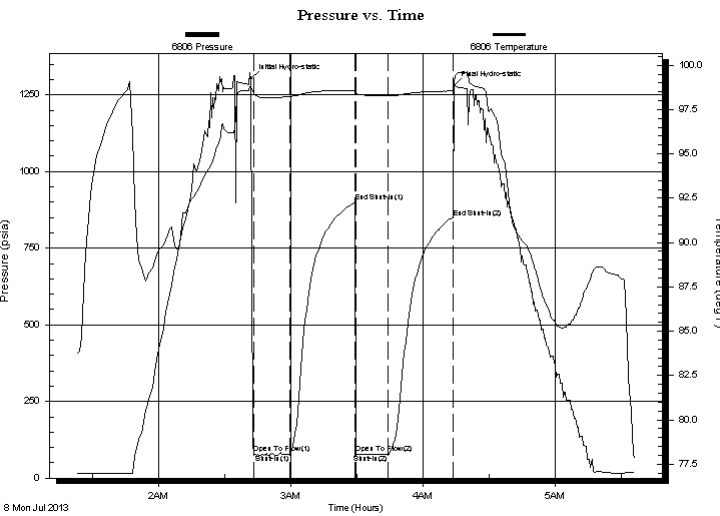
Time On Btm:

2013.07.08 @ 02:42:00

Time Off Btm:

2013.07.08 @ 04:14:00

TEST COMMENT: 1st Open 15 minutes Weak blow built to 1 inch. into a 5 gallon bucket of water.
1st Shut in 30 minutes No blow back
2nd Open 15 minutes Weak surface blow died off.
2nd Shut in 30 minutes No blow back



PRESSURE SUMMARY

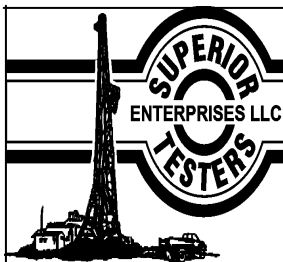
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1302.05	98.72	Initial Hydro-static
1	82.47	98.45	Open To Flow (1)
18	78.22	98.24	Shut-In(1)
47	899.61	98.58	End Shut-In(1)
48	80.72	98.40	Open To Flow (2)
62	76.34	98.28	Shut-In(2)
92	847.68	98.55	End Shut-In(2)
93	1280.42	98.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
41.00	Mud 100%	0.58

Gas Rates

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



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 9431 East Central STE 100
 Wichita Kansas 67206
 ATTN: Renna Hustead

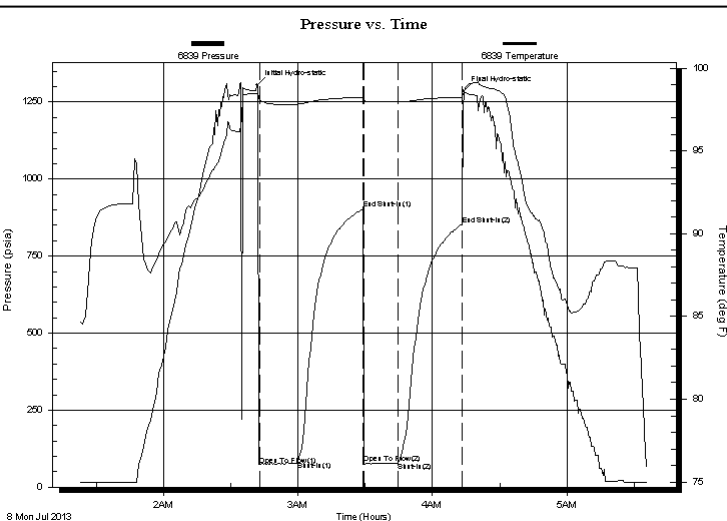
7-19s-14w-Barton
Neuforth 1-7
 Job Ticket: 17530 **DST#: 2**
 Test Start: 2013.07.08 @ 01:22:00

GENERAL INFORMATION:

Formation: **Tarkio**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:43:00
 Time Test Ended: 05:36:00
Interval: 2674.00 ft (KB) To 2721.00 ft (KB) (TVD)
 Total Depth: 2721.00 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-35
 Reference Elevations: 1938.00 ft (KB)
 1931.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 6839 Inside
 Press @ RunDepth: 852.77 psia @ 2717.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.07.08 End Date: 2013.07.08 Last Calib.: 2013.07.08
 Start Time: 01:22:00 End Time: 05:36:00 Time On Btm: 2013.07.08 @ 02:42:00
 Time Off Btm: 2013.07.08 @ 04:14:00

TEST COMMENT: 1st Open 15 minutes Weak blow built to 1 inch. into a 5 gallon bucket of water.
 1st Shut in 30 minutes No blow back
 2nd Open 15 minutes Weak surface blow died off.
 2nd Shut in 30 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1306.76	98.50	Initial Hydro-static
1	72.51	98.09	Open To Flow (1)
18	84.86	97.83	Shut-In(1)
47	902.69	98.22	End Shut-In(1)
48	76.67	98.01	Open To Flow (2)
63	79.60	97.95	Shut-In(2)
91	852.77	98.23	End Shut-In(2)
92	1286.63	98.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
41.00	Mud 100%	0.58

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F G Holl Company

7-19s-14w-Barton

9431 East Central STE 100
Wichita Kansas 67206

Neuforth 1-7

Job Ticket: 17530

DST#: 2

ATTN: Renna Husted

Test Start: 2013.07.08 @ 01:22:00

Tool Information

Drill Pipe:	Length: 2677.00 ft	Diameter: 3.80 inches	Volume: 37.55 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: 55000.00 lb
			<u>Total Volume: 37.55 bbl</u>	Tool Chased 5.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2674.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	47.00 ft			
Tool Length:	75.00 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			2651.00	
Hydraulic Tool	5.00			2656.00	
Jars	6.00			2662.00	
Safety Joint	2.00			2664.00	
Packer	5.00			2669.00	28.00 Bottom Of Top Packer
Packer	5.00			2674.00	
Anchor	42.00			2716.00	
Recorder	1.00	6839	Inside	2717.00	
Recorder	1.00	6806	Outside	2718.00	
Bull Plug	3.00			2721.00	47.00 Bottom Packers & Anchor
Total Tool Length:	75.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

F G Holl Company

7-19s-14w-Barton

9431 East Central STE 100
Wichita Kansas 67206

Neuforth 1-7

Job Ticket: 17530

DST#: 2

ATTN: Renna Husted

Test Start: 2013.07.08 @ 01:22:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 42.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 6400.00 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
41.00	Mud 100%	0.575

Total Length: 41.00 ft Total Volume: 0.575 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

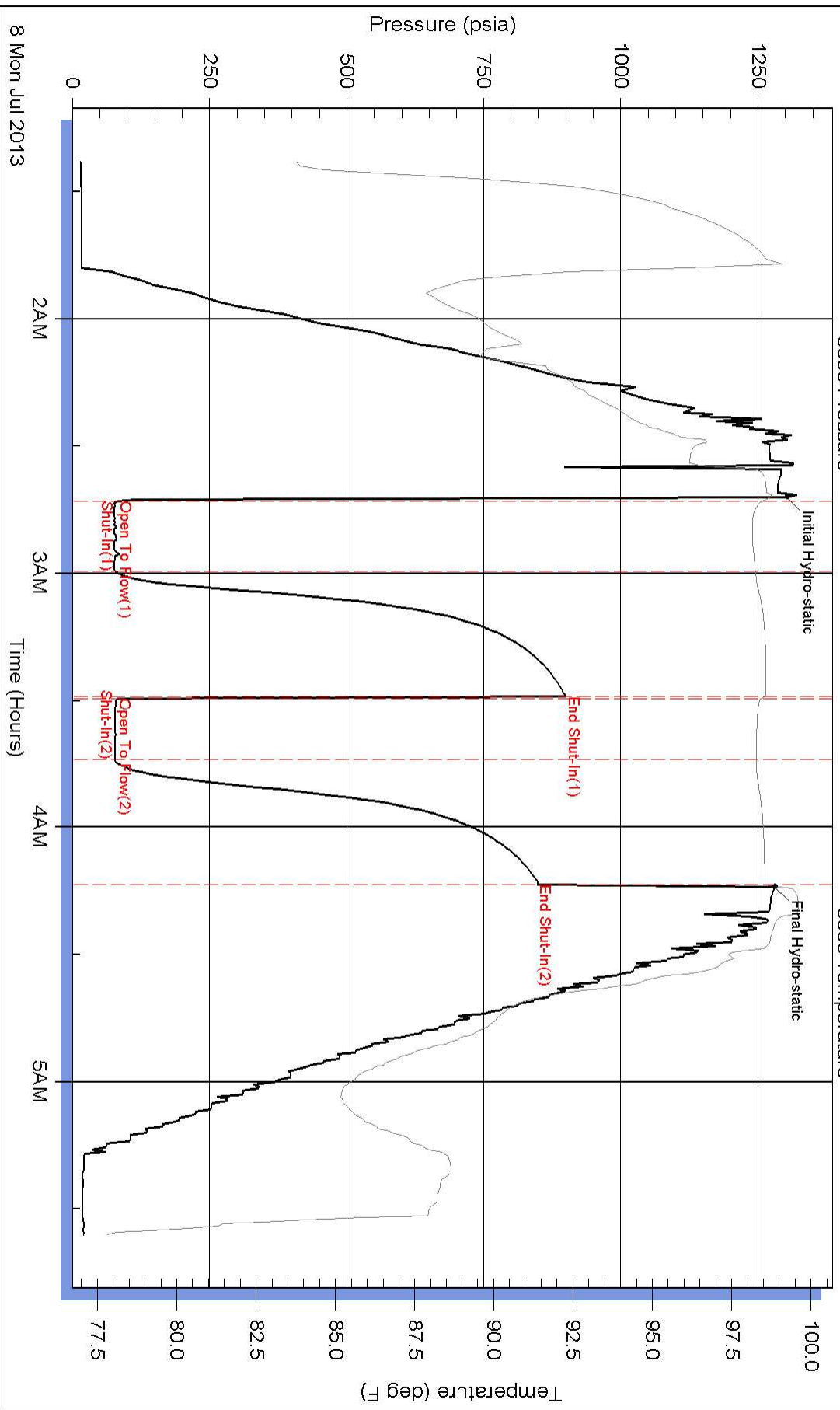
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time

