



DRILL STEM TEST REPORT

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

9431 E Central St # 100 Wichita KS 67206

ATTN: Ryan Greenbaum

Zimmer #1-20

20-19s-14w Barton

Start Date: 2014.07.11 @ 06:45:00

End Date: 2014.07.11 @ 12:23:30

Job Ticket #: 19306 DST #: 5

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

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Job Ticket: 19306

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ATTN: Ryan Greenbaum

Test Start: 2014.07.11 @ 06:45:00

GENERAL INFORMATION:

Formation: **Conglame rate**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:16:00

Time Test Ended: 12:23:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Jared Scheck

Unit No: 3340-Great Bend-25

Interval: 3440.00 ft (KB) To 3515.00 ft (KB) (TVD)

Reference Elevations: 1901.00 ft (KB)

Total Depth: 3515.00 ft (KB) (TVD)

1893.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8525

Press@RunDepth: 115.51 psig @ ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.11

End Date: 2014.07.11

Last Calib.: 2014.07.11

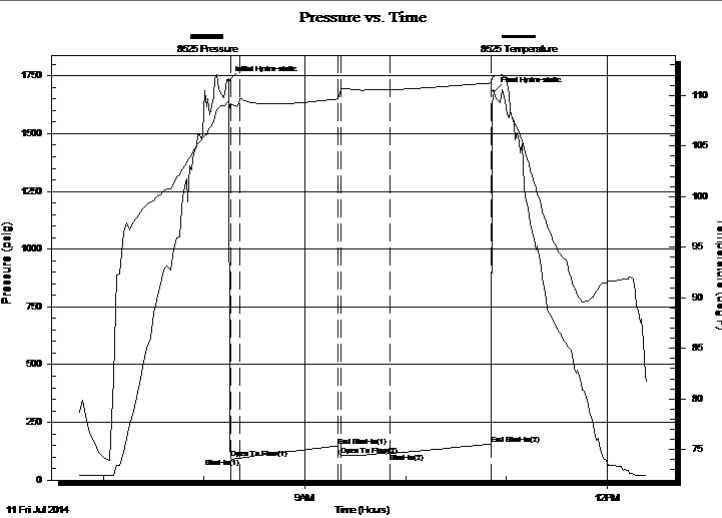
Start Time: 06:45:00

End Time: 12:23:30

Time On Btm: 2014.07.11 @ 08:15:00

Time Off Btm: 2014.07.11 @ 10:52:30

TEST COMMENT: 1st Opening 5 Minutes-Fair blow built 6 inches into water in 5 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak blow built 1 1/2 inches stayed steady
 2nd Shut-in 60-Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1729.84	109.48	Initial Hydro-static
1	94.88	109.06	Open To Flow (1)
7	93.87	109.65	Shut-In(1)
65	148.35	109.65	End Shut-In(1)
67	105.32	110.58	Open To Flow (2)
96	115.51	110.56	Shut-In(2)
156	157.21	111.23	End Shut-In(2)
158	1683.01	111.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud	0.98

Gas Rates

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



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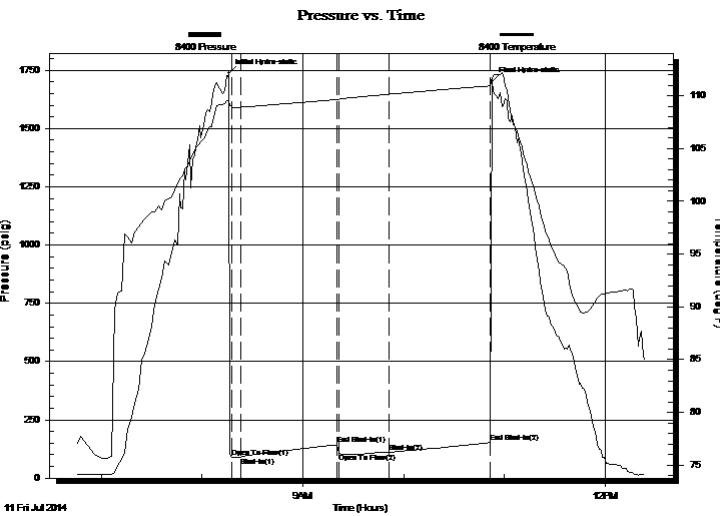
GENERAL INFORMATION:

Formation: **Conglame rate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:16:00
 Time Test Ended: 12:23:30
 Interval: **3440.00 ft (KB) To 3515.00 ft (KB) (TVD)**
 Total Depth: 3515.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3340-Great Bend-25
 Reference Elevations: 1901.00 ft (KB)
 1893.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8400

Press@RunDepth: 152.44 psig @ ft (KB) Capacity: 5000.00 psig
 Start Date: 2014.07.11 End Date: 2014.07.11 Last Calib.: 2014.07.11
 Start Time: 06:45:00 End Time: 12:24:00 Time On Btm: 2014.07.11 @ 08:16:00
 Time Off Btm: 2014.07.11 @ 10:52:30

TEST COMMENT: 1st Opening 5 Minutes-Fair blow built 6 inches into water in 5 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 30 Minutes-Very weak blow built 1 1/2 inches stayed steady
 2nd Shut-in 60-Minutes



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1737.05	109.58	Initial Hydro-static
2	88.67	108.97	Open To Flow (1)
7	90.74	108.95	Shut-In(1)
65	143.81	109.66	End Shut-In(1)
66	106.73	109.68	Open To Flow (2)
96	111.10	110.16	Shut-In(2)
156	152.44	110.95	End Shut-In(2)
157	1701.97	111.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	mud	0.98

Gas Rates

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



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TOOL DIAGRAM

F.G Holl Company L.L.C

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ATTN: Ryan Greenbaum

Test Start: 2014.07.11 @ 06:45:00

Tool Information

Drill Pipe:	Length: 3432.00 ft	Diameter: 3.80 inches	Volume: 48.14 bbl	Tool Weight: 1000.00 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: 80000.00 lb
			<u>Total Volume: 48.14 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3440.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.00 ft			
Tool Length:	103.00 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			3417.00	
Hydraulic tool	5.00			3422.00	
Jars	6.00			3428.00	
Safety Joint	2.00			3430.00	
Packer	5.00			3435.00	28.00 Bottom Of Top Packer
Packer	5.00			3440.00	
Anchor	4.00			3444.00	
Change Over Sub	0.75			3444.75	
Drill Pipe	31.50			3476.25	
Change Over Sub	0.75			3477.00	
Anchor	35.00			3512.00	
Bullnose	3.00			3515.00	75.00 Bottom Packers & Anchor

Total Tool Length: 103.00



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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: 46.00 sec/qt

Water Loss: 9.60 in³

Resistivity: ohm.m

Salinity: 5100.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	mud	0.982

Total Length: 70.00 ft Total Volume: 0.982 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

