



DRILL STEM TEST REPORT

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

9431 East Central Suite 100
Wichita, Kansas 67206-2563

ATTN: Rene Husted

Panning #2-13

13-20s-14w Barton

Start Date: 2012.06.18 @ 00:00:00

End Date: 2012.06.18 @ 00:00:00

Job Ticket #: 17777 DST #: 5

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

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Test Start: 2012.06.18 @ 00:00:00

GENERAL INFORMATION:

Formation: **Kansas City "J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 3335

Interval: 3412.00 ft (KB) To 3430.00 ft (KB) (TVD)

Reference Elevations: 1895.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press @ Run Depth: 281.76 psia @ 3426.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.19

End Date: 2012.06.19

Last Calib.: 2012.06.19

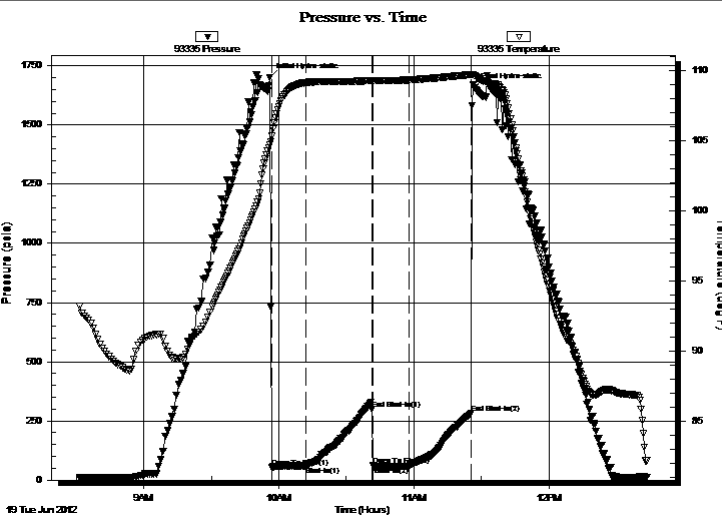
Start Time: 08:30:00

End Time: 12:43:30

Time On Btm: 2012.06.19 @ 09:56:00

Time Off Btm: 2012.06.19 @ 11:27:00

TEST COMMENT: 1st Opening 15 Minutes-Slid tool 12 feet to bottom picked up some mud bled it off no blow
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes No blow
 2nd shut-In 30 Minutes- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1699.35	104.73	Initial Hydro-static
1	54.13	105.33	Open To Flow (1)
16	60.13	109.15	Shut-In(1)
46	298.78	109.30	End Shut-In(1)
46	61.54	109.30	Open To Flow (2)
62	57.27	109.35	Shut-In(2)
90	281.76	109.73	End Shut-In(2)
91	1658.73	109.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Drilling Mud	0.49

Gas Rates

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



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Unit No: 3335

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Reference Elevations: 1895.00 ft (KB)

Total Depth: 3430.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press @ RunDepth: 284.90 psia @ 3427.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.06.19

End Date: 2012.06.19

Last Calib.: 2012.06.19

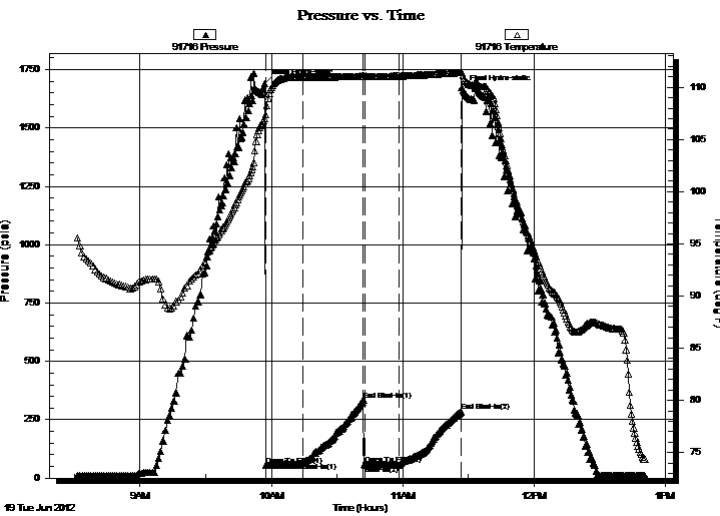
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 1st Shut-In 30 Minutes-No blow back
 2nd Opening 15 Minutes No blow
 2nd shut-In 30 Minutes- No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1690.18	106.97	Initial Hydro-static
1	55.06	107.36	Open To Flow (1)
18	68.80	111.01	Shut-In(1)
45	334.14	111.07	End Shut-In(1)
46	59.41	111.07	Open To Flow (2)
62	56.38	111.09	Shut-In(2)
90	284.90	111.43	End Shut-In(2)
91	1662.66	111.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	Drilling Mud	0.49

Gas Rates

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



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TOOL DIAGRAM

F.G.Holl Company L.L.C.

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Test Start: 2012.06.18 @ 00:00:00

Tool Information

Drill Pipe:	Length: 3409.00 ft	Diameter: 3.80 inches	Volume: 47.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 44000.00 lb
			<u>Total Volume: 47.82 bbl</u>	Tool Chased 12.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	3412.00 ft			Final 36000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 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			3389.00	
Hydraulic Tool	5.00			3394.00	
Jars	6.00			3400.00	
Safety Joint	2.00			3402.00	
Packer	5.00			3407.00	28.00 Bottom Of Top Packer
Packer	5.00			3412.00	
Perforations	13.00			3425.00	
Recorder	1.00	93335	Inside	3426.00	
Recorder	1.00	91716	Outside	3427.00	
Bull Plug	3.00			3430.00	18.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



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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: 47.00 sec/qt
Water Loss: 9.20 in³
Resistivity: ohm.m
Salinity: 6100.00 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
35.00	Drilling Mud	0.491

Total Length: 35.00 ft Total Volume: 0.491 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

