



DRILL STEM TEST REPORT

Prepared For: **F.G Holl**

9431 East Central Suite 100
Wichita Kansas 67206

ATTN: Frank Greenbaum

Lenkner 1-29

29-30s-13w-Barber

Start Date: 2012.01.07 @ 04:35:00

End Date: 2012.01.07 @ 10:54:30

Job Ticket #: 17178 DST #: 9

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

Printed: 2012.01.07 @ 23:07:07



DRILL STEM TEST REPORT

F.G Holl
 9431 East Central Suite 100
 Wichita Kansas 67206
 ATTN: Frank Greenbaum

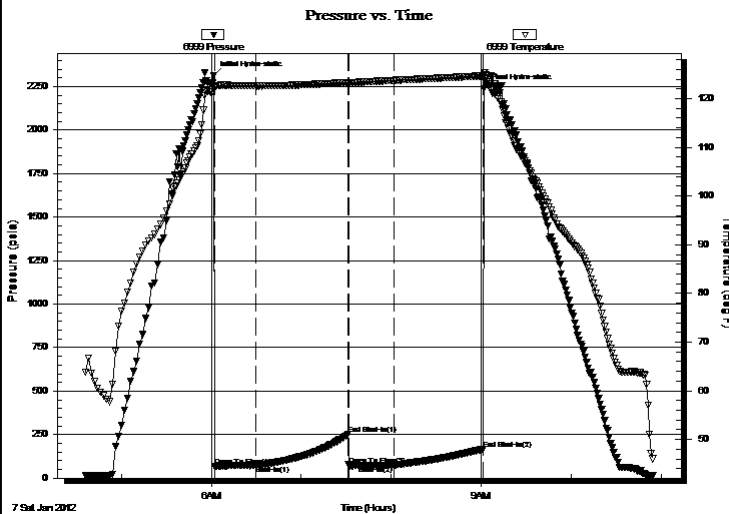
29-30s-13w-Barber
Lenkner 1-29
 Job Ticket: 17178 **DST#: 9**
 Test Start: 2012.01.07 @ 04:35:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:02:00 Tester: Dustin Ellis
 Time Test Ended: 10:54:30 Unit No: 3315-GB-170
 Interval: **4620.00 ft (KB) To 4698.00 ft (KB) (TVD)** Reference Elevations: 1921.00 ft (KB)
 Total Depth: 4698.00 ft (KB) (TVD) 1913.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6999 Inside
 Press @ RunDepth: 75.27 psia @ 4694.08 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.07 End Date: 2012.01.07 Last Calib.: 2012.01.07
 Start Time: 04:35:00 End Time: 10:54:30 Time On Btm: 2012.01.07 @ 06:01:30
 Time Off Btm: 2012.01.07 @ 09:02:00

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1.5 inches
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes Weak surface blow
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2317.68	122.61	Initial Hydro-static
1	68.42	122.40	Open To Flow (1)
28	71.28	122.58	Shut-In(1)
90	251.38	123.29	End Shut-In(1)
90	76.23	123.25	Open To Flow (2)
120	75.27	123.72	Shut-In(2)
180	166.49	124.65	End Shut-In(2)
181	2237.65	125.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud 100%	0.35

Gas Rates

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



DRILL STEM TEST REPORT

F.G Holl
 9431 East Central Suite 100
 Wichita Kansas 67206
 ATTN: Frank Greenbaum

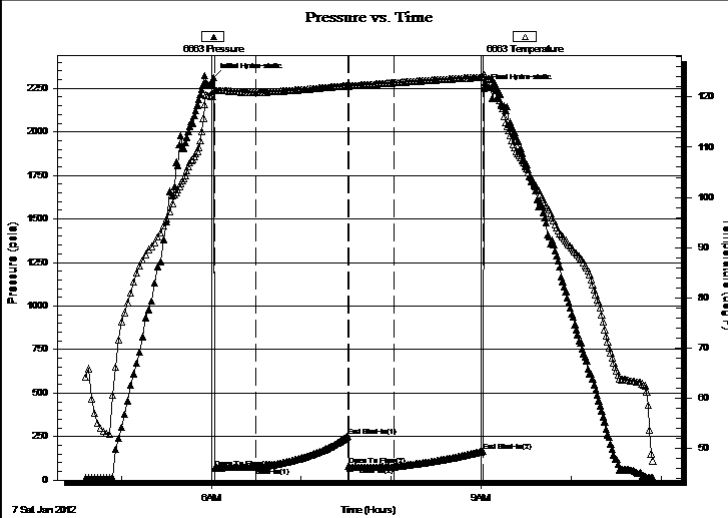
29-30s-13w-Barber
Lenkner 1-29
 Job Ticket: 17178 **DST#: 9**
 Test Start: 2012.01.07 @ 04:35:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 06:02:00 Tester: Dustin Ellis
 Time Test Ended: 10:54:30 Unit No: 3315-GB-170
 Interval: **4620.00 ft (KB) To 4698.00 ft (KB) (TVD)** Reference Elevations: 1921.00 ft (KB)
 Total Depth: 4698.00 ft (KB) (TVD) 1913.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6663 Outside
 Press @ Run Depth: 167.38 psia @ 4695.08 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.01.07 End Date: 2012.01.07 Last Calib.: 2012.01.07
 Start Time: 04:35:00 End Time: 10:54:30 Time On Btm: 2012.01.07 @ 06:01:30
 Time Off Btm: 2012.01.07 @ 09:02:00

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1.5 inches
 1st Shut in 60 minutes No blow back
 2nd Open 30 minutes Weak surface blow
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2312.00	121.46	Initial Hydro-static
1	69.17	121.26	Open To Flow (1)
28	71.99	120.93	Shut-In(1)
90	251.83	122.25	End Shut-In(1)
90	82.95	122.17	Open To Flow (2)
121	76.54	122.83	Shut-In(2)
180	167.38	123.95	End Shut-In(2)
181	2249.66	124.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
25.00	Mud 100%	0.35

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

F.G Holl
 9431 East Central Suite 100
 Wichita Kansas 67206
 ATTN: Frank Greenbaum

29-30s-13w-Barber
Lenkner 1-29
 Job Ticket: 17178 **DST#: 9**
 Test Start: 2012.01.07 @ 04:35:00

Tool Information

Drill Pipe:	Length: 4617.00 ft	Diameter: 3.80 inches	Volume: 64.76 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: 80000.00 lb
			<u>Total Volume: 64.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4620.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	78.08 ft			
Tool Length:	106.08 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			4597.00	
Hydraulic Tool	5.00			4602.00	
Jars	6.00			4608.00	
Safety Joint	2.00			4610.00	
Packer	5.00			4615.00	28.00 Bottom Of Top Packer
Packer	5.00			4620.00	
Perforations	5.00			4625.00	
Change Over Sub	0.75			4625.75	
Drill Pipe	31.58			4657.33	
Change Over Sub	0.75			4658.08	
Perforations	35.00			4693.08	
Recorder	1.00	6999	Inside	4694.08	
Recorder	1.00	6663	Outside	4695.08	
Bull Plug	3.00			4698.08	78.08 Bottom Packers & Anchor

Total Tool Length: 106.08



DRILL STEM TEST REPORT

FLUID SUMMARY

F.G Holl

29-30s-13w-Barber

9431 East Central Suite 100
Wichita Kansas 67206

Lenkner 1-29

Job Ticket: 17178

DST#: 9

ATTN: Frank Greenbaum

Test Start: 2012.01.07 @ 04:35:00

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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	Mud 100%	0.351

Total Length: 25.00 ft Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

