

DRILL STEM TEST REPORT

Woolsey Operating Company L.L.C

Forester F #1

125 N Market STE 1000 Wichita KS 67202+1729

26-33s-11w Barber

ATTN: Scott Alberg

Job Ticket: 18632

DST#: 1

Test Start: 2011.09.09 @ 05:53:00

GENERAL INFORMATION:

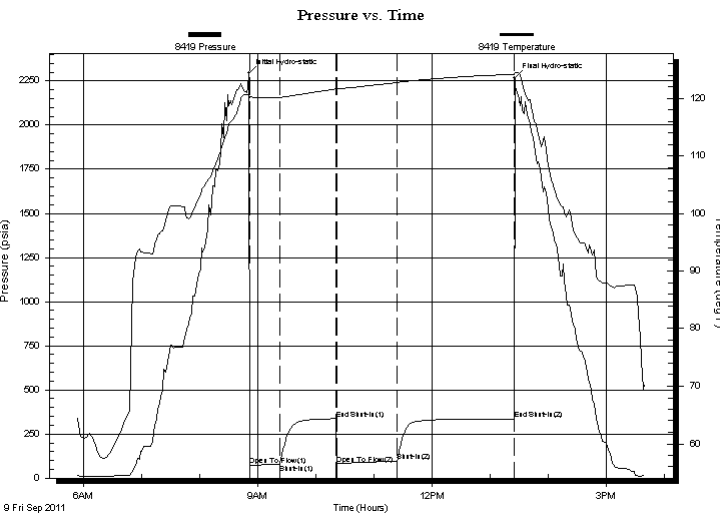
Formation: **Mississippi**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:52:00
 Time Test Ended: 15:39:30
 Interval: **4485.00 ft (KB) To 4548.00 ft (KB) (TVD)**
 Total Depth: 4548.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-Scott City-110
 Reference Elevations: 1473.00 ft (KB)
 1464.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 8419

Inside

Press @ RunDepth: 95.64 psia @ 4544.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.09.09 End Date: 2011.09.09 Last Calib.: 2011.09.09
 Start Time: 05:53:00 End Time: 15:39:30 Time On Btm: 2011.09.09 @ 08:51:00
 Time Off Btm: 2011.09.09 @ 13:25:30

TEST COMMENT: 1st Opening 30 Minutes-Strong blow built bottom of bucket in 11 minutes
 1st Shut-in 60 Minutes-No blow back
 2nd Opening 60 Minutes-Strong blow built bottom of bucket in 1 minutes
 2nd Shut-in 120 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2293.94	120.55	Initial Hydro-static
1	75.64	120.28	Open To Flow (1)
32	80.06	120.14	Shut-In(1)
90	336.70	121.60	End Shut-In(1)
91	78.97	121.56	Open To Flow (2)
153	95.64	122.70	Shut-In(2)
274	335.66	124.16	End Shut-In(2)
275	2268.58	124.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	Mud	0.44

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 4183.00 ft	Diameter: 3.80 inches	Volume: 58.68 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 60.16 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4485.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	63.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Ruined packer

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	4462.00	
Hydraulic Tool	5.00			4467.00	
Jars	6.00			4473.00	
Safety Joint	2.00			4475.00	
Packer	5.00			4480.00	28.00 Bottom Of Top Packer
Packer	5.00			4485.00	
Anchor	0.00			4485.00	
Change Over Sub	0.75			4485.75	
Drill Pipe	31.50		Outside	4517.25	
Change Over Sub	0.75		Outside	4518.00	
Anchor	25.00			4543.00	
Recorder	1.00	8419	Inside	4544.00	
Recorder	1.00	8524	Outside	4545.00	
Bullnose	3.00			4548.00	63.00 Bottom Packers & Anchor

Total Tool Length: 91.00



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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: 52.00 sec/qt

Cushion Volume: bbl

Water Loss: 9.60 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	Mud	0.443

Total Length: 90.00 ft Total Volume: 0.443 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

