

DRILL STEM TEST REPORT

Woolsey Operating Company LLC

Forester F #2

125 North Market
Suite 100
Wichita, Kansas 67202+1729
ATTN: Scott Alberg

26/33S/11W/Barber

Job Ticket: 15847

DST#: 1

Test Start: 2011.09.18 @ 23:19:00

GENERAL INFORMATION:

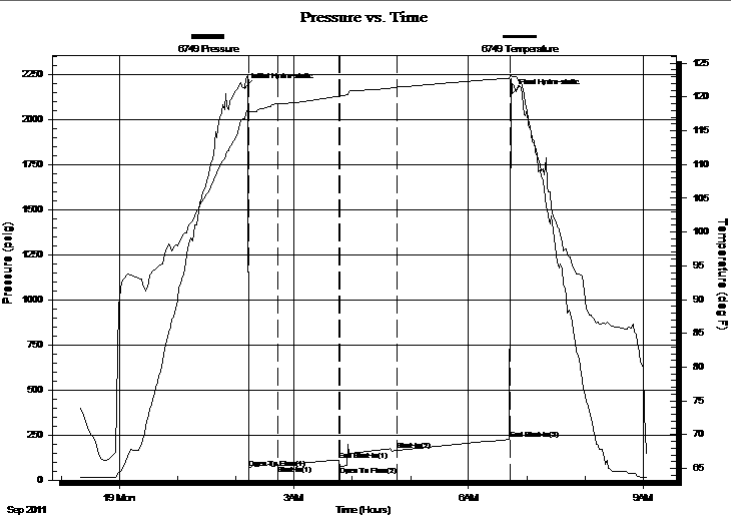
Formation: **Mississippian**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:13:30
 Time Test Ended: 09:06:00
 Interval: **4500.00 ft (KB) To 4558.00 ft (KB) (TVD)**
 Total Depth: 4558.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ken Swinney
 Unit No: 3325 Pratt/90
 Reference Elevations: 1486.00 ft (KB)
 1477.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6749

Inside

Press @ RunDepth: 226.41 psig @ 4554.06 ft (KB)
 Start Date: 2011.09.18 End Date: 2011.09.19
 Start Time: 23:19:00 End Time: 09:05:30
 Capacity: 5000.00 psig
 Last Calib.: 2011.09.19
 Time On Btm: 2011.09.19 @ 02:09:30
 Time Off Btm: 2011.09.19 @ 06:44:30

TEST COMMENT: 1ST Open 30 Minutes/Weak blow/Blow built to 1 1/2 inches
 1ST Shut In 60 Minutes/No blow back
 2ND Open 60 Minutes/No blow/Flush tool/Didnt help
 2ND Shut In 120 Minutes/No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2175.64	116.87	Initial Hydro-static
4	67.71	117.90	Open To Flow (1)
34	80.02	119.08	Shut-In(1)
97	112.77	120.11	End Shut-In(1)
98	74.30	120.18	Open To Flow (2)
157	164.72	121.47	Shut-In(2)
273	226.41	122.80	End Shut-In(2)
275	2143.07	123.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100%	0.05

Gas Rates

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



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TOOL DIAGRAM

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Tool Information

Drill Pipe:	Length: 4235.00 ft	Diameter: 3.88 inches	Volume: 61.93 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: 247.00 ft	Diameter: 2.25 inches	Volume: 1.21 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 63.14 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	10.75 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4500.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.06 ft			
Tool Length:	86.81 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			4476.25	
Hydraulic tool	5.00			4481.25	
Change over sub	0.75			4482.00	
Jars	6.00			4488.00	
Safety Joint	2.00			4490.00	
Packer	5.00			4495.00	28.75 Bottom Of Top Packer
Packer	5.00			4500.00	
Anchor	5.00			4505.00	
change over sub	0.75			4505.75	
drill pipe	31.56			4537.31	
change over sub	0.75			4538.06	
anchor	15.00			4553.06	
Recorder	1.00	6749	Inside	4554.06	
Recorder	1.00	6748	Outside	4555.06	
bull plug	3.00			4558.06	58.06 Bottom Packers & Anchor

Total Tool Length: 86.81



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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: 49.00 sec/qt
Water Loss: 10.00 in³
Resistivity: ohm.m
Salinity: 4400.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100%	0.049

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

