



DRILL STEM TEST REPORT

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

15-20s-15w Barton

9431 East Central Suite 100
Wichita, Kansas 67206-2563

Schmitt Family Trust

ATTN: Ryan Greenbaum

Job Ticket: **DST#: 1**

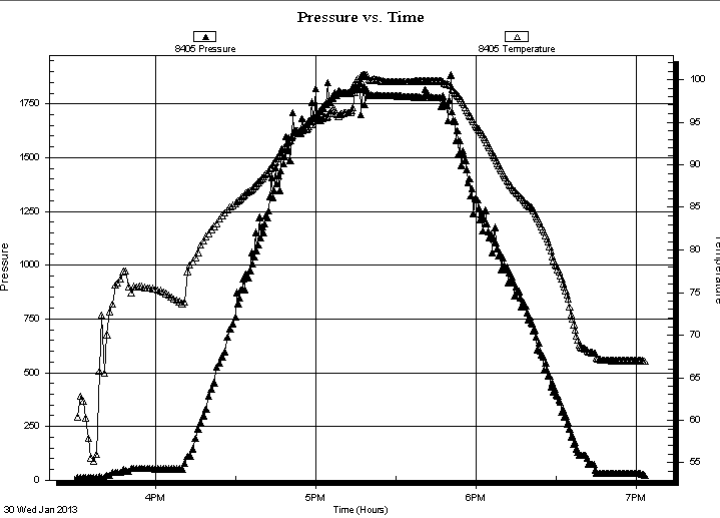
Test Start: 2013.01.30 @ 00:00:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:00:00
 Time Test Ended: 00:00:00
 Interval: **3635.00 ft (KB) To 3710.00 ft (KB) (TVD)**
 Total Depth: 3710.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Shane Konzem
 Unit No: 3330
 Reference Elevations: 1996.00 ft (KB)
 1988.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8405 Outside
 Press @ Run Depth: psia @ 3706.74 ft (KB) Capacity: 5000.00 psia
 Start Date: 2013.01.30 End Date: 2013.01.31 Last Calib.: 2013.01.31
 Start Time: 15:30:00 End Time: 02:48:00 Time On Btm:
 Time Off Btm:

TEST COMMENT: 1st Opening
 MISS-Run Packer Failure



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
120.00	Drilling Mud PACKER FAILURE	1.68

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: 3614.00 ft	Diameter: 3.80 inches	Volume: 50.69 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.76 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: 49000.00 lb
			<u>Total Volume: 50.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3635.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	74.74 ft			
Tool Length:	102.74 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	3612.00	
Hydraulic Tool	5.00			3617.00	
Jars	6.00			3623.00	
Safety Joint	2.00			3625.00	
Packer	5.00			3630.00	28.00 Bottom Of Top Packer
Packer	5.00			3635.00	
Anchor	5.00			3640.00	
Change Over Sub	0.75			3640.75	
Drill Pipe	30.24		Outside	3670.99	
Change Over Sub	0.75		Outside	3671.74	
Anchor	33.00			3704.74	
Recorder	1.00	8400	Below	3705.74	
Recorder	1.00	8405	Outside	3706.74	
Bullnose	3.00			3709.74	74.74 Bottom Packers & Anchor

Total Tool Length: 102.74



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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: 8.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 4400.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Drilling Mud PACKER FAILURE	1.683

Total Length: 120.00 ft Total Volume: 1.683 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

