



DRILL STEM TEST REPORT

Prepared For: **RJM COMPANY**

P.O. BOX 256
CLAFLIN, KANSAS 67525-0256

ATTN: KURT TALBOTT

FELTES 1

34-16S-12W BARTON

Start Date: 2015.07.22 @ 17:46:00

End Date: 2015.07.22 @ 00:00:00

Job Ticket #: 01045 DST #: 2

Eagle Testers
1309 Patton Road Great Bend, Kansas 67530
620-791-7394

Printed: 2015.07.22 @ 22:24:16

RJM COMPANY
34-16S-12W BARTON
FELTES 1
DST # 2
ARBUCKLE
2015.07.22



DRILL STEM TEST REPORT

RJM COMPANY

34-16S-12W BARTON

P.O. BOX 256
CLAFLIN, KANSAS 67525-0256

FELTES 1

ATTN: KURT TALBOTT

Job Ticket: 01045

DST#: 2

Test Start: 2015.07.22 @ 17:46:00

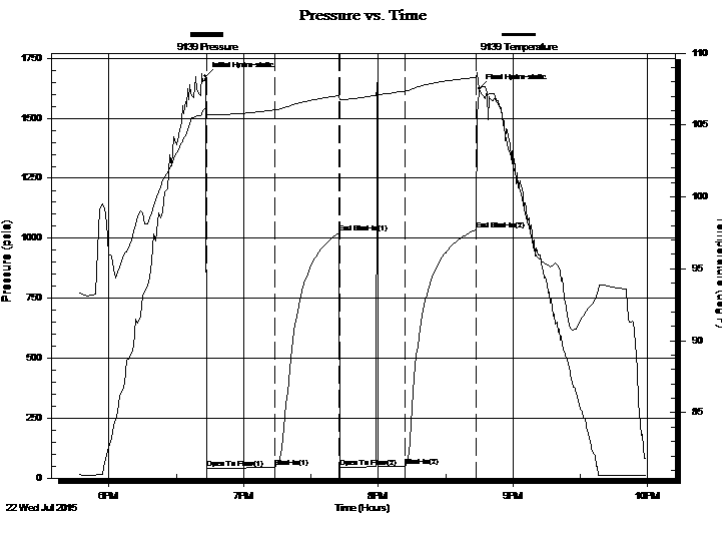
GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:00:00
Time Test Ended: 00:00:00
Interval: **3301.00 ft (KB) To 3307.00 ft (KB) (TVD)**
Total Depth: **3301.00 ft (KB) (TVD)**
Hole Diameter: 7.78 inches Hole Condition: Fair
Reference Elevations: 1885.00 ft (KB)
1880.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 9139 Outside

Press@RunDepth: 1035.58 psia @ 3332.00 ft (KB) Capacity: 5000.00 psia
Start Date: 2015.07.22 End Date: 2015.07.22 Last Calib.: 2015.07.22
Start Time: 17:46:00 End Time: 21:59:30 Time On Btm: 2015.07.22 @ 18:43:00
Time Off Btm: 2015.07.22 @ 20:45:00

TEST COMMENT: 1ST OPENING 30 MINUTES WEAK BLOW FOR 12 MINUTES AND DIED
1ST SHUT-IN 30 MINUTES NO BLOW BACK
2ND OPENING 30 MINUTES NO BLOW FLUSHED TOOL GOOD SURGE WEAK BLOW 2 MINUTES AND DIED
2ND SHUT-IN 30 MINUTES NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1675.37	106.17	Initial Hydro-static
1	42.31	105.75	Open To Flow (1)
31	44.38	106.06	Shut-In(1)
60	1022.46	107.04	End Shut-In(1)
60	45.20	106.75	Open To Flow (2)
89	50.70	107.36	Shut-In(2)
121	1035.58	108.31	End Shut-In(2)
122	1623.68	107.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	oil cut mud 95 mud 5 oil	0.07
10.00	CLEAN OIL	0.14

Gas Rates

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



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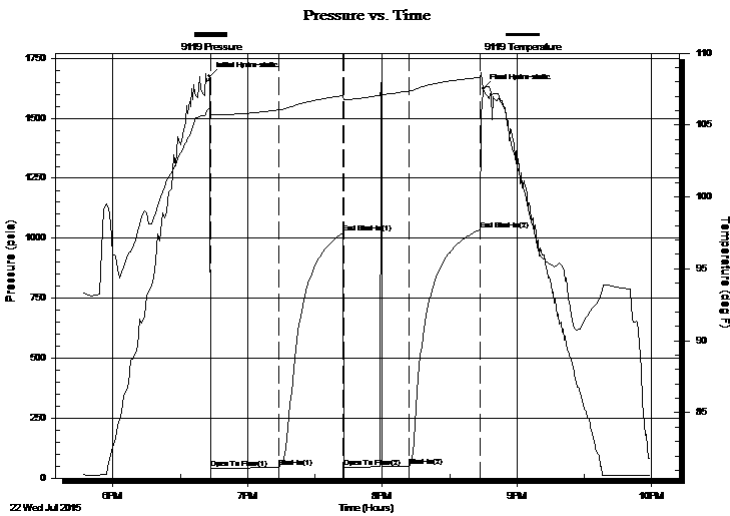
34-16S-12W BARTON
FELTES 1
Job Ticket: 01045 **DST#: 2**
Test Start: 2015.07.22 @ 17:46:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 00:00:00 Tester: GENE BUDIG
Time Test Ended: 00:00:00 Unit No: 1-58
Interval: **3301.00 ft (KB) To 3307.00 ft (KB) (TVD)** Reference Elevations: 1885.00 ft (KB)
Total Depth: 3301.00 ft (KB) (TVD) 1880.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 9119 **Inside**
Press@RunDepth: 1035.58 psia @ 3332.00 ft (KB) Capacity: 5000.00 psia
Start Date: 2015.07.22 End Date: 2015.07.22 Last Calib.: 2015.07.22
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	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

RJM COMPANY

34-16S-12W BARTON

P.O. BOX 256
CLAFLIN, KANSAS 67525-0256

FELTES 1

Job Ticket: 01045

DST#: 2

ATTN: KURT TALBOTT

Test Start: 2015.07.22 @ 17:46:00

Tool Information

Drill Pipe:	Length: 3299.00 ft	Diameter: 3.80 inches	Volume: 46.28 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: 630000.0 lb
			<u>Total Volume: 46.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3301.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3286.00	
Hydraulic tool	5.00			3291.00	
Top Packer	5.00			3296.00	
Packer	5.00			3301.00	20.00 Bottom Of Top Packer
Anchor	31.00			3332.00	
Recorder	0.00	9119	Inside	3332.00	
Recorder	0.00	9139	Outside	3332.00	
Bullnose	5.00			3337.00	36.00 Anchor Tool

Total Tool Length: 56.00



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FLUID SUMMARY

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Test Start: 2015.07.22 @ 17:46:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 47.00 sec/qt
Water Loss: 8.20 in³
Resistivity: ohm.m
Salinity: 4000.00 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
5.00	oil cut mud 95 mud 5 oil	0.070
10.00	CLEAN OIL	0.140

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

