



DRILL STEM TEST REPORT

Prepared For: **Darrah John Jay Jr.**

P.O.Box 2786
Wichita, Kansas 67201

ATTN: Seth Evenson

Gaunt 32 B # 1

32-20s-13w Barton

Start Date: 2017.09.11 @ 05:54:00

End Date: 2017.09.11 @ 00:00:00

Job Ticket #: 01187 DST #: 3

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

Printed: 2017.09.11 @ 11:16:35

Darrah John Jay Jr. 32-20s-13w Barton Gaunt 32 B # 1 DST # 3 Arbuckle 2017.09.11



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32-20s-13w Barton
Gaunt 32 B # 1
 Job Ticket: 01187 **DST#: 3**
 Test Start: 2017.09.11 @ 05:54:00

GENERAL INFORMATION:

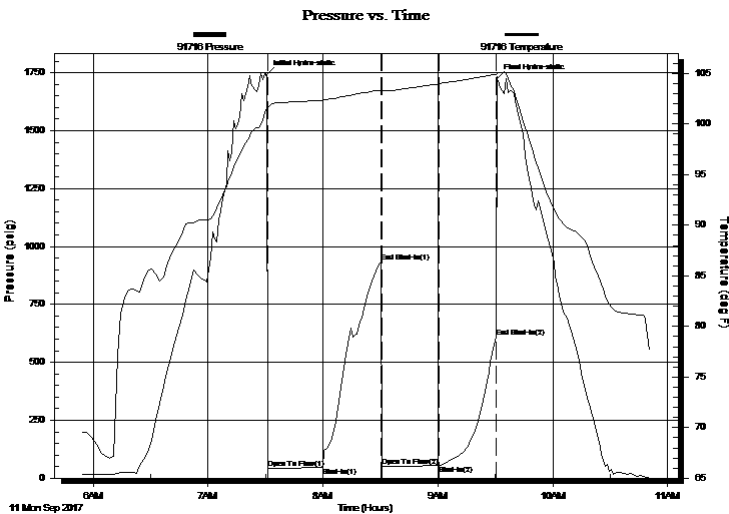
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:31:00
 Time Test Ended: 00:00:00
 Interval: **3510.00 ft (KB) To 3540.00 ft (KB) (TVD)**
 Total Depth: 3540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 1
 Reference Elevations: 1901.00 ft (KB)
 1895.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 91716 Outside

Press@RunDepth: 610.40 psig @ 3535.00 ft (KB) Capacity: psig
 Start Date: 2017.09.11 End Date: 2017.09.11 Last Calib.: 1899.12.30
 Start Time: 05:54:00 End Time: 10:51:00 Time On Btm: 2017.09.11 @ 07:30:30
 Time Off Btm: 2017.09.11 @ 09:31:00

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to 2 inches into the water
 1st Shut-In 30 Minutes no blow back
 2nd opening 30 Minutes weak building blow built to 3 inches into the water
 2nd shut-In 30 Minutes noblow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.30	101.52	Initial Hydro-static
1	44.04	101.66	Open To Flow (1)
30	46.08	102.39	Shut-In(1)
60	934.74	103.40	End Shut-In(1)
61	49.93	103.37	Open To Flow (2)
90	54.19	103.98	Shut-In(2)
120	610.40	104.94	End Shut-In(2)
121	1725.77	105.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	100 FEET OF GAS IN THE PIPE	0.00
30.00	Oil and Gas cut mud	0.42
0.00	5 %Gas 20%Oil 75%Mud	0.00
0.00	there w as a good show of free oil	0.00
0.00	betw een the tools	0.00

Gas Rates

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



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 Job Ticket: 01187 **DST#: 3**
 Test Start: 2017.09.11 @ 05:54:00

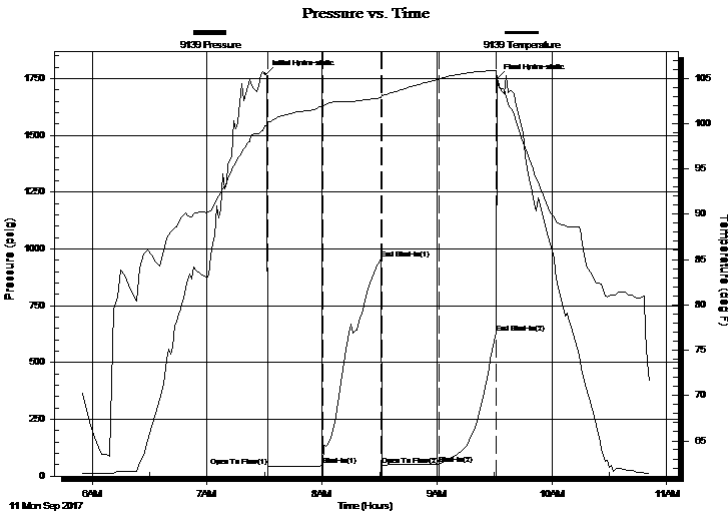
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:31:00
 Time Test Ended: 00:00:00
 Interval: **3510.00 ft (KB) To 3540.00 ft (KB) (TVD)**
 Total Depth: 3540.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig
 Unit No: 1
 Reference Elevations: 1901.00 ft (KB)
 1895.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 9139 Inside
 Press@RunDepth: 628.15 psig @ 3535.00 ft (KB) Capacity: psig
 Start Date: 2017.09.11 End Date: 2017.09.11 Last Calib.: 1899.12.30
 Start Time: 05:54:00 End Time: 10:51:29 Time On Btm: 2017.09.11 @ 07:30:30
 Time Off Btm: 2017.09.11 @ 09:31:30

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to 2 inches into the water
 1st Shut-In 30 Minutes no blow back
 2nd opening 30 Minutes weak building blow built to 3 inches into the water
 2nd shut-In 30 Minutes noblow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1768.88	99.82	Initial Hydro-static
1	41.67	100.21	Open To Flow (1)
30	45.58	101.96	Shut-In(1)
60	955.70	102.83	End Shut-In(1)
61	48.55	103.15	Open To Flow (2)
91	53.68	104.89	Shut-In(2)
121	628.15	105.86	End Shut-In(2)
121	1749.65	104.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	100 FEET OF GAS IN THE PIPE	0.00
30.00	Oil and Gas cut mud	0.42
0.00	5 %Gas 20%Oil 75%Mud	0.00
0.00	there w as a good show of free oil	0.00
0.00	betw een the tools	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Darrah John Jay Jr.

32-20s-13w Barton

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Wichita, Kansas 67201

Gaunt 32 B # 1

Job Ticket: 01187

DST#: 3

ATTN: Seth Evenson

Test Start: 2017.09.11 @ 05:54:00

Tool Information

Drill Pipe:	Length: 3517.00 ft	Diameter: 3.80 inches	Volume: 49.33 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: 34000.00 lb
			<u>Total Volume: 49.33 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 28000.00 lb
Depth to Top Packer:	3510.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	50.00 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			3495.00	
Hydraulic tool	5.00			3500.00	
Packer	5.00			3505.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	3510.00	
Anchor	25.00			3535.00	
Recorder	0.00	9139	Inside	3535.00	
Recorder	0.00	91716	Outside	3535.00	
Bullnose	5.00			3540.00	30.00 Bottom Packers & Anchor

Total Tool Length: 50.00



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FLUID SUMMARY

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DST#: 3

ATTN: Seth Evenson

Test Start: 2017.09.11 @ 05:54:00

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: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
0.00	100 FEET OF GAS IN THE PIPE	0.000
30.00	Oil and Gas cut mud	0.421
0.00	5 %Gas 20%Oil 75%Mud	0.000
0.00	there w as a good show of free oil	0.000
0.00	betw een the tools	0.000

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

