



## 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: 2017.09.10 @ 13:15:00

End Date: 2017.09.10 @ 00:00:00

Job Ticket #: 11086                      DST #: 2

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

Printed: 2017.09.10 @ 19:20:15

Darrah John Jay Jr.  
32-20s-13w Barton  
Gaunt 32 B # 1  
DST # 2  
Kansas City  
2017.09.10



# DRILL STEM TEST REPORT

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 Wichita, Kansas 67201  
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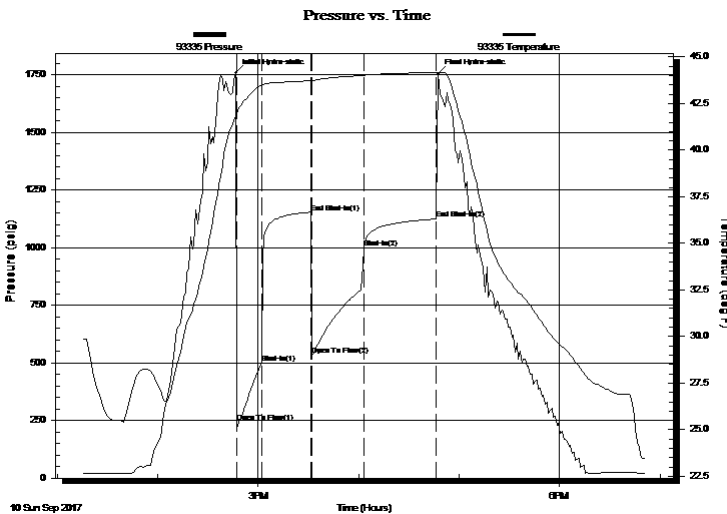
**32-20s-13w Barton**  
**Gaunt 32 B # 1**  
 Job Ticket: 11086 **DST#: 2**  
 Test Start: 2017.09.10 @ 13:15:00

## GENERAL INFORMATION:

Formation: **Kansas City**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 02:43:00 Tester: Gene Budig  
 Time Test Ended: 00:00:00 Unit No: 1  
 Interval: **3429.00 ft (KB) To 3505.00 ft (KB) (TVD)** Reference Elevations: 1901.00 ft (KB)  
 Total Depth: 3505.00 ft (KB) (TVD) 1895.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

**Serial #: 93335 Outside**  
 Press@RunDepth: 1124.38 psig @ 3499.77 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2017.09.10 End Date: 2017.09.10 Last Calib.: 1899.12.30  
 Start Time: 13:15:00 End Time: 18:51:29 Time On Btm: 2017.09.10 @ 14:46:30  
 Time Off Btm: 2017.09.10 @ 16:47:30

**TEST COMMENT:** 1st Opening 15 Minutes good blow built to the bottom of a 5 gallon bucket in 1 minute  
 1st Shut-In 30 Minutes no blow back  
 2nd Opening 30 Minutes good blow built to the bottom of a 5 gallon bucket in 1 1/2 minutes  
 2nd sShut-In 45 Minutea no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1757.15	41.85	Initial Hydro-static
1	243.59	41.98	Open To Flow (1)
16	498.72	43.47	Shut-In(1)
45	1152.71	43.74	End Shut-In(1)
46	532.28	43.74	Open To Flow (2)
77	998.63	44.01	Shut-In(2)
120	1124.38	44.16	End Shut-In(2)
121	1753.36	44.17	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	200 feet of gas in the pipe	0.00
180.00	10%Gas 10%Oil 30%Mud 50%Water	2.52
180.00	10%Gas 10%Oil 25% Mud 55%Water	2.52
180.00	5%Gas 20%Oil 20%Mud 55%Water	2.52
180.00	5%Gas 25%Oil 15%Mud 50%Water	2.52
180.00	5%Oil 5%Mud 90%Water	2.52

## Gas Rates

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



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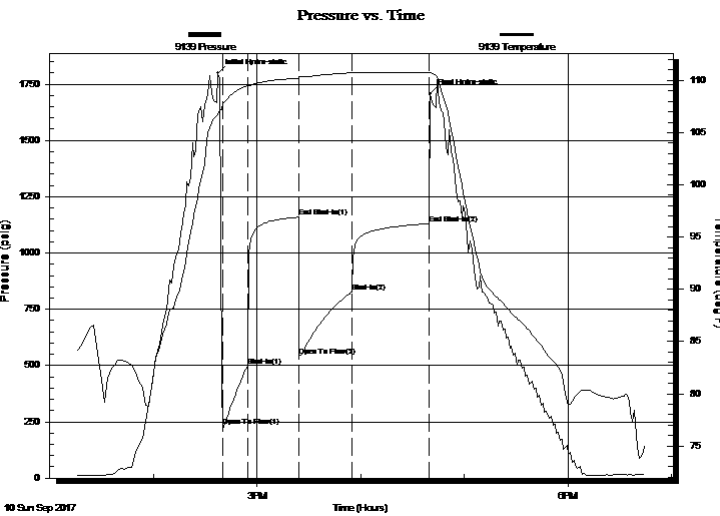
**32-20s-13w Barton**  
**Gaunt 32 B # 1**  
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 Test Type: Conventional Bottom Hole (Initial)  
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 Time Test Ended: 00:00:00 Unit No: 1  
 Interval: **3429.00 ft (KB) To 3505.00 ft (KB) (TVD)** Reference Elevations: 1901.00 ft (KB)  
 Total Depth: 3505.00 ft (KB) (TVD) 1895.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

**Serial #: 9139 Inside**  
 Press@RunDepth: 1127.84 psig @ 3499.77 ft (KB) Capacity: 5000.00 psig  
 Start Date: 2017.09.10 End Date: 2017.09.10 Last Calib.: 1899.12.30  
 Start Time: 13:15:00 End Time: 18:44:22 Time On Btm: 2017.09.10 @ 14:37:23  
 Time Off Btm: 2017.09.10 @ 16:40:23

**TEST COMMENT:** 1st Opening 15 Minutes good blow built to the bottom of a 5 gallon bucket in 1 minute  
 1st Shut-In 30 Minutes no blow back  
 2nd Opening 30 Minutes good blow built to the bottom of a 5 gallon bucket in 1 1/2 minutes  
 2nd sShut-In 45 Minutea no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1798.68	106.76	Initial Hydro-static
3	228.97	107.78	Open To Flow (1)
17	499.27	109.52	Shut-In(1)
47	1159.36	110.22	End Shut-In(1)
47	540.24	110.35	Open To Flow (2)
78	827.09	110.73	Shut-In(2)
122	1127.84	110.76	End Shut-In(2)
123	1707.48	110.76	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	200 feet of gas in the pipe	0.00
180.00	10%Gas 10%Oil 30%Mud 50%Water	2.52
180.00	10%Gas 10%Oil 25% Mud 55%Water	2.52
180.00	5%Gas 20%Oil 20%Mud 55%Water	2.52
180.00	5%Gas 25%Oil 15%Mud 50%Water	2.52
180.00	5%Oil 5%Mud 90%Water	2.52

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Darrah John Jay Jr.

**32-20s-13w Barton**

P.O.Box 2786  
Wichita, Kansas 67201

**Gaunt 32 B # 1**

Job Ticket: 11086

**DST#: 2**

ATTN: Seth Evenson

Test Start: 2017.09.10 @ 13:15:00

## Tool Information

Drill Pipe:	Length: 3423.00 ft	Diameter: 3.80 inches	Volume: 48.02 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: 48.02 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	28000.00 lb
Depth to Top Packer:	3429.00 ft			Final	30000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.77 ft				
Tool Length:	95.77 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			3414.00	
Hydraulic tool	5.00			3419.00	
Packer	5.00			3424.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	3429.00	
Anchor	5.00			3434.00	
Change Over Sub	0.75			3434.75	
Drill Pipe	31.27			3466.02	
Change Over Sub	0.75		Inside	3466.77	
Anchor	33.00			3499.77	
Recorder	0.00	9139	Inside	3499.77	
Recorder	0.00	93335	Outside	3499.77	
Bullnose	5.00			3504.77	75.77 Bottom Packers & Anchor

**Total Tool Length: 95.77**



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## FLUID SUMMARY

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Test Start: 2017.09.10 @ 13:15:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 51.00 sec/qt  
Water Loss: in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: ppm  
Filter Cake: 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
0.00	200 feet of gas in the pipe	0.000
180.00	10%Gas 10%Oil 30%Mud 50%Water	2.525
180.00	10%Gas 10%Oil 25% Mud 55%Water	2.525
180.00	5%Gas 20%Oil 20%Mud 55%Water	2.525
180.00	5%Gas 25%Oil 15%Mud 50%Water	2.525
180.00	5%Oil 5%Mud 90%Water	2.525
180.00	15%Gas 13% Oil 2%Mud 70%Water	2.525
180.00	10%Oil 2%Mud 89%Water	2.525
180.00	1%Oil 3%Mud 96%Water	2.525
0.00	Chlorides 58,000	0.000

Total Length: 1440.00 ft      Total Volume: 20.200 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

