



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 @ 06:38:00

End Date: 2017.09.10 @ 00:00:00

Job Ticket #: 01185 DST #: 1

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

Printed: 2017.09.10 @ 15:44:35

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



DRILL STEM TEST REPORT

Darrah John Jay Jr.
 P.O.Box 2786
 Wichita, Kansas 67201
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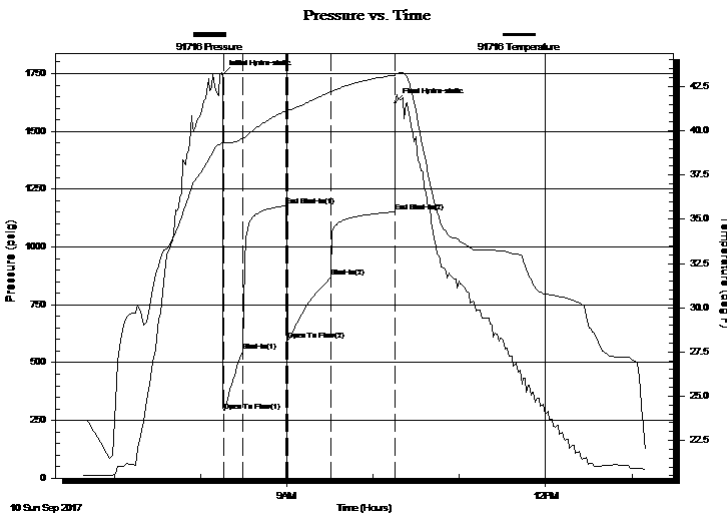
32-20s-13w Barton
Gaunt 32 B # 1
 Job Ticket: 01185 **DST#: 1**
 Test Start: 2017.09.10 @ 06:38:00

GENERAL INFORMATION:

Formation: **Kansas City "H-K"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:16:00
 Time Test Ended: 00:00:00
 Interval: **3403.00 ft (KB) To 3505.00 ft (KB) (TVD)**
 Total Depth: 3505.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig1
 Unit No:
 Reference Elevations: 1901.00 ft (KB)
 1895.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 91716 Outside
 Press@RunDepth: 1150.72 psig @ 3500.06 ft (KB) Capacity: 5000.00 psig
 Start Date: 2017.09.10 End Date: 2017.09.10 Last Calib.: 1899.12.30
 Start Time: 06:38:00 End Time: 13:09:59 Time On Btm: 2017.09.10 @ 08:15:00
 Time Off Btm: 2017.09.10 @ 10:15:30

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 Opening 45 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1746.02	39.36	Initial Hydro-static
1	291.70	39.36	Open To Flow (1)
15	550.78	39.56	Shut-In(1)
45	1178.49	41.15	End Shut-In(1)
46	595.64	41.18	Open To Flow (2)
76	869.09	42.20	Shut-In(2)
120	1150.72	43.15	End Shut-In(2)
121	1623.86	43.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	oil cut muddy w ater	1.05
0.00	2%gas 8%Oil 40%Mud 40%Water	0.00
120.00	10%Gas 10%Oil 30%Mud 50%Water	1.68
180.00	25%Gas 10%Oil 50%Mud 15%Water	2.52
180.00	23%Gas 12%Oil 45%Mud 20%Water	2.52
180.00	20%Gas 10%Oil 15%Mud 55%Water	2.52

Gas Rates

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



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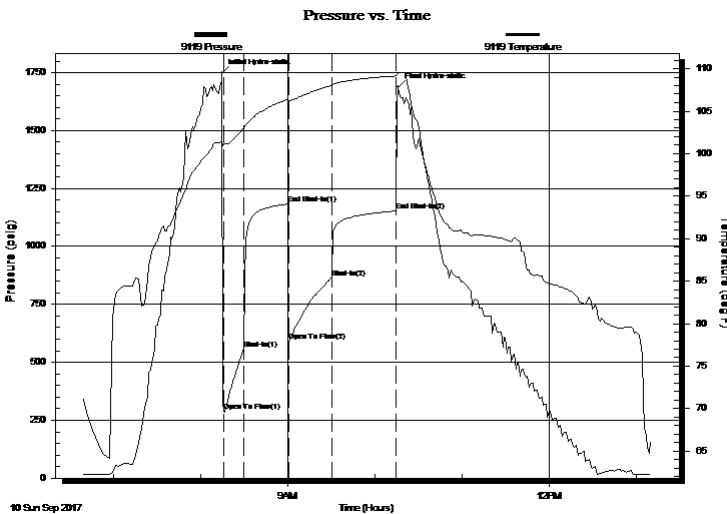
32-20s-13w Barton
Gaunt 32 B # 1
 Job Ticket: 01185 **DST#: 1**
 Test Start: 2017.09.10 @ 06:38:00

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 Interval: **3403.00 ft (KB) To 3505.00 ft (KB) (TVD)**
 Total Depth: 3505.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gene Budig1
 Unit No:
 Reference Elevations: 1901.00 ft (KB)
 1895.00 ft (CF)
 KB to GR/CF: 6.00 ft

Serial #: 9119 Inside
 Press@RunDepth: 1153.03 psig @ 3500.06 ft (KB) Capacity: 5000.00 psig
 Start Date: 2017.09.10 End Date: 2017.09.10 Last Calib.: 2017.09.10
 Start Time: 06:38:00 End Time: 13:09:59 Time On Btm: 2017.09.10 @ 08:14:30
 Time Off Btm: 2017.09.10 @ 10:16:00

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 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 Opening 45 Minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1747.84	101.48	Initial Hydro-static
1	286.86	101.04	Open To Flow (1)
15	556.08	103.03	Shut-In(1)
45	1182.19	106.38	End Shut-In(1)
46	591.56	106.21	Open To Flow (2)
76	863.75	108.03	Shut-In(2)
120	1153.03	109.13	End Shut-In(2)
122	1687.30	109.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	oil cut muddy w ater	1.05
0.00	2%gas 8%Oil 40%Mud 40%Water	0.00
120.00	10%Gas 10%Oil 30%Mud 50%Water	1.68
180.00	25%Gas 10%Oil 50%Mud 15%Water	2.52
180.00	23%Gas 12%Oil 45%Mud 20%Water	2.52
180.00	20%Gas 10%Oil 15%Mud 55%Water	2.52

Gas Rates

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



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TOOL DIAGRAM

Darrah John Jay Jr.

32-20s-13w Barton

P.O.Box 2786
Wichita, Kansas 67201

Gaunt 32 B # 1

Job Ticket: 01185

DST#: 1

ATTN: Seth Evenson

Test Start: 2017.09.10 @ 06:38:00

Tool Information

Drill Pipe:	Length: 3391.00 ft	Diameter: 3.80 inches	Volume: 47.57 bbl	Tool Weight: 20000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 2000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 26000.00 lb
			<u>Total Volume: 47.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 20000.00 lb
Depth to Top Packer:	3403.00 ft			Final 22000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.06 ft			
Tool Length:	122.06 ft			
Number of Packers:	2	Diameter: 6.78 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3388.00	
Hydraulic tool	5.00			3393.00	
Packer	5.00			3398.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	3403.00	
Anchor	5.00			3408.00	
Change Over Sub	0.75			3408.75	
Drill Pipe	63.56			3472.31	
Change Over Sub	0.75		Inside	3473.06	
Anchor	27.00			3500.06	
Recorder	0.00	9119	Inside	3500.06	
Recorder	0.00	91716	Outside	3500.06	
Bullnose	5.00			3505.06	102.06 Bottom Packers & Anchor

Total Tool Length: 122.06



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FLUID SUMMARY

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Job Ticket: 01185

DST#: 1

ATTN: Seth Evenson

Test Start: 2017.09.10 @ 06:38:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 51.00 sec/qt
Water Loss: in³
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
75.00	oil cut muddy w ater	1.052
0.00	2%gas 8%Oil 40%Mud 40%Water	0.000
120.00	10%Gas 10%Oil 30%Mud 50%Water	1.683
180.00	25%Gas 10%Oil 50%Mud 15%Water	2.525
180.00	23%Gas 12%Oil 45%Mud 20%Water	2.525
180.00	20%Gas 10%Oil 15%Mud 55%Water	2.525
180.00	10%Gas 10%Oil 30%Mud 50%Oil	2.525
180.00	5%gas 10%Oil 25% Mud 60%Oil	2.525
180.00	7%Gas 8%Oil 10%Mud75%Water	2.525
120.00	5%Gas 3%Oil 8%Mud 86%Water	1.683
120.00	5%Oil 10%Mud 90%Water	1.683
0.00	100 feet of gas in the pipe	0.000
0.00	Chlorides 58,000	0.000

Total Length: 1515.00 ft Total Volume: 21.251 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

