



DRILL STEM TEST REPORT

Prepared For: **Edison Operating Company LLC**

8100 E 22nd str n Bldg 1900
Wichita, Kansas 67226

ATTN: Derek Patterson

Wild Turkey #1-7

7-24s-12w Stafford

Start Date: 2018.08.15 @ 22:17:00

End Date: 2018.08.15 @ 04:55:00

Job Ticket #: 01094 DST #: 3

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

Printed: 2018.08.15 @ 05:48:43



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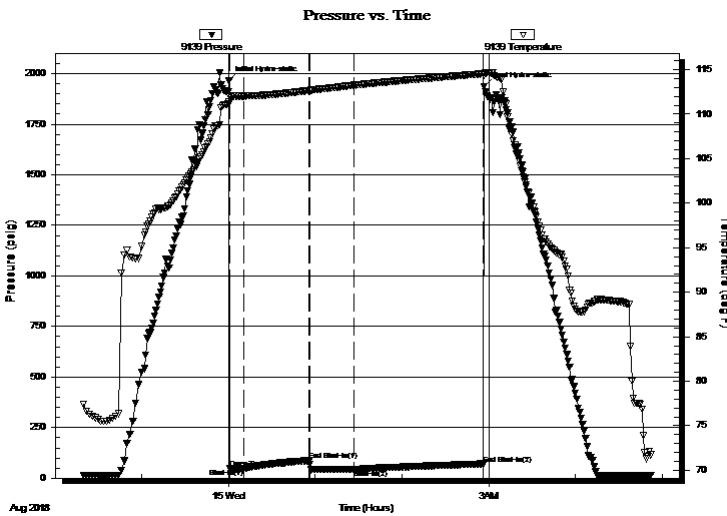
Test Start: 2018.08.15 @ 22:17:00

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 12:02:00
 Time Test Ended: 04:55:00
 Interval: **3864.00 ft (KB) To 3902.00 ft (KB) (TVD)**
 Total Depth: 3902.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Gen Budig
 Unit No: 1
 Reference Elevations: 1897.00 ft (KB)
 1887.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 9139 Outside
 Press@RunDepth: 70.58 psig @ 3897.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2018.08.14 End Date: 2018.08.15 Last Calib.: 2018.08.15
 Start Time: 22:20:00 End Time: 04:52:30 Time On Btm: 2018.08.15 @ 00:00:30
 Time Off Btm: 2018.08.15 @ 02:57:00

TEST COMMENT: 1st Opening 10 Minutes weak building blow built to 2 inches into the water
 1st Shut-In 45 Minutes no blow back
 2nd Opening 30 Minutes weak blow built to 1 1/2 inch decreased and died in 26 minutes
 2nd Shut-In 90 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1966.16	111.42	Initial Hydro-static
1	48.21	111.98	Open To Flow (1)
10	46.91	112.03	Shut-In(1)
56	87.29	112.65	End Shut-In(1)
56	69.45	112.67	Open To Flow (2)
87	43.65	113.25	Shut-In(2)
176	70.58	114.54	End Shut-In(2)
177	1936.45	114.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.28

Gas Rates

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



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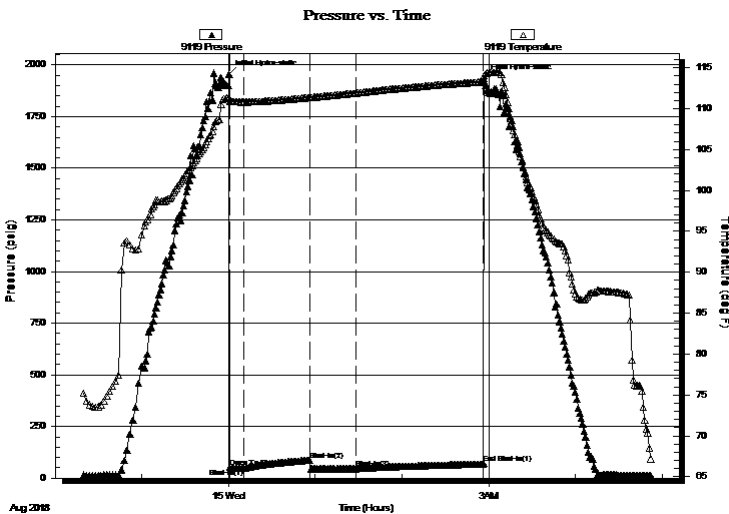
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 Tester: Gen Budig
 Unit No: 1
 Reference Elevations: 1897.00 ft (KB)
 1887.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 9119

Inside

Press@RunDepth: 70.46 psig @ 3897.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2018.08.14 End Date: 2018.08.15 Last Calib.: 2018.08.15
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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1954.33	111.33	Initial Hydro-static
1	51.72	110.83	Open To Flow (1)
11	48.61	110.81	Shut-In(1)
56	86.94	111.36	Shut-In(2)
88	45.88	111.88	Shut-In(3)
176	70.46	113.28	End Shut-In(1)
177	1932.84	114.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drilling Mud	0.28

Gas Rates

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



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TOOL DIAGRAM

Edison Operating Company LLC

7-24s-12w Stafford

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DST#: 3

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Tool Information

Drill Pipe:	Length: 3863.00 ft	Diameter: 3.80 inches	Volume: 54.19 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:	55000.00 lb
			<u>Total Volume: 54.19 bbl</u>	Tool Chased	5.00 ft
Drill Pipe Above KB:	29.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3864.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	38.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3839.00	
Hydraulic tool	5.00			3844.00	
Jars	5.00			3849.00	
Safety Joint	5.00			3854.00	
Packer	5.00			3859.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3864.00	
Anchor	33.00			3897.00	
Recorder	0.00	9119	Inside	3897.00	
Recorder	0.00	9139	Outside	3897.00	
Bullnose	5.00			3902.00	38.00 Bottom Packers & Anchor
Total Tool Length:	68.00				



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 50.00 sec/qt
Water Loss: 11.19 in³
Resistivity: ohm.m
Salinity: 6900.00 ppm
Filter Cake: 1.00 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
20.00	Drilling Mud	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

