



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: 2018.08.13 @ 13:58:00

End Date: 2018.08.13 @ 20:43:00

Job Ticket #: 01093 DST #: 2

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

Printed: 2018.08.13 @ 21:07:45



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DST#: 2

Test Start: 2018.08.13 @ 13:58:00

GENERAL INFORMATION:

Formation: **Lansing "H"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:28:00

Time Test Ended: 20:43:00

Test Type: Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: **3633.00 ft (KB) To 3655.00 ft (KB) (TVD)**

Reference Elevations: 1897.00 ft (KB)

Total Depth: 3655.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: **9139** Outside

Press@RunDepth: 1137.89 psig @ 3650.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2018.08.13

End Date:

2018.08.13

Last Calib.:

2018.08.13

Start Time: 13:58:00

End Time:

20:40:29

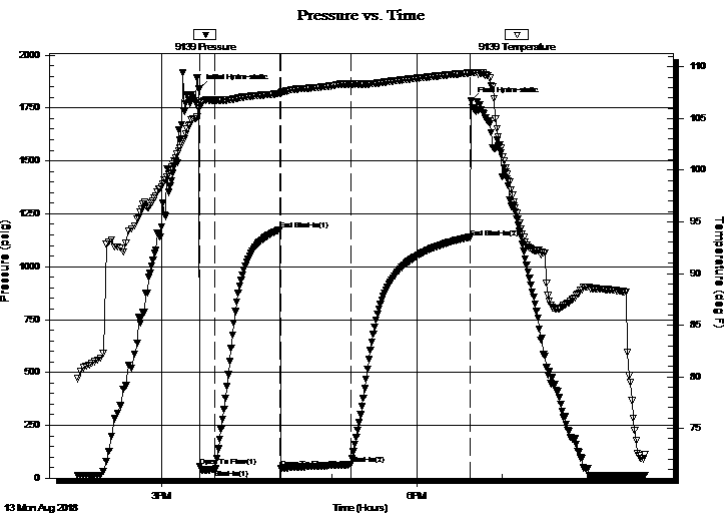
Time On Btm:

2018.08.13 @ 15:26:30

Time Off Btm:

2018.08.13 @ 18:38:00

TEST COMMENT: 1st Opening 10 Minutes good blow bottom of the bucket in 2 minutes
1st Shut-In 45 Minutes no blow back
2nd Opening 45 Minutes Strong blow BOB Immediately decreased to BOB in 3 minutes
2nd Shut-In 90 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1840.49	106.00	Initial Hydro-static
1	56.63	106.27	Open To Flow (1)
11	41.36	106.77	Shut-In(1)
57	1174.32	107.41	End Shut-In(1)
58	45.29	107.47	Open To Flow (2)
107	64.97	108.35	Shut-In(2)
191	1137.89	109.42	End Shut-In(2)
192	1782.73	109.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3200 gas in the pipe	0.00
60.00	clean gassy oil 32 gravity corrected	0.84
20.00	muddy frothy oil	0.28

Gas Rates

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



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Reference Elevations: 1897.00 ft (KB)

Total Depth: 3655.00 ft (KB) (TVD)

1887.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: **9119** Inside

Press@RunDepth: 1128.99 psig @ 3650.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2018.08.13

End Date:

2018.08.13

Last Calib.:

1899.12.30

Start Time: 13:58:00

End Time:

20:40:29

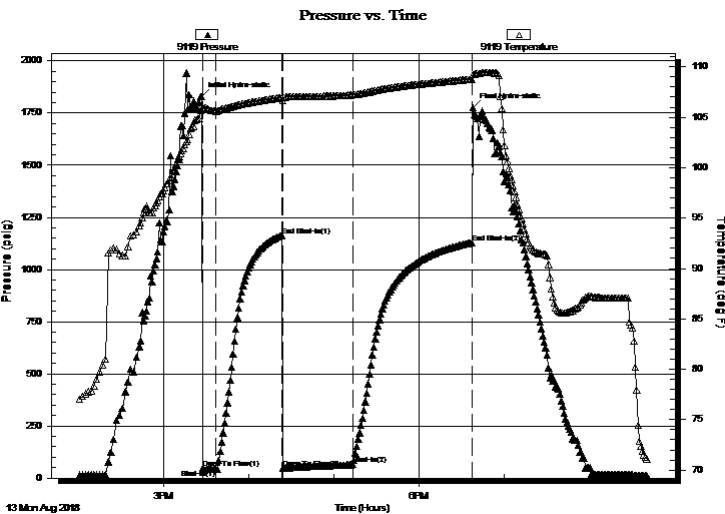
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PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1830.50	106.18	Initial Hydro-static
1	47.16	105.85	Open To Flow (1)
10	43.43	105.61	Shut-In(1)
56	1164.02	106.95	End Shut-In(1)
57	48.95	106.64	Open To Flow (2)
106	64.96	107.21	Shut-In(2)
190	1128.99	108.77	End Shut-In(2)
191	1776.42	109.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	3200 gas in the pipe	0.00
60.00	clean gassy oil 32 gravity corrected	0.84
20.00	muddy frothy oil	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#: 2

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Test Start: 2018.08.13 @ 13:58:00

Tool Information

Drill Pipe:	Length: 3608.00 ft	Diameter: 3.80 inches	Volume: 50.61 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: 48000.00 lb
			<u>Total Volume: 50.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3633.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	52.00 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			3608.00	
Hydraulic tool	5.00			3613.00	
Jars	5.00			3618.00	
Safety Joint	5.00			3623.00	
Packer	5.00			3628.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3633.00	
Anchor	17.00			3650.00	
Recorder	0.00	9119	Inside	3650.00	
Recorder	0.00	9139	Outside	3650.00	
Bullnose	5.00			3655.00	22.00 Bottom Packers & Anchor
Total Tool Length:	52.00				



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FLUID SUMMARY

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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: 50.00 sec/qt

Cushion Volume: bbl

Water Loss: 11.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 6900.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	3200 gas in the pipe	0.000
60.00	clean gassy oil 32 gravity corrected	0.842
20.00	muddy frothy oil	0.281

Total Length: 80.00 ft Total Volume: 1.123 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

