



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Pickrell Drilling Co. Inc  
 100 S Main  
 Suite 505  
 Wichita, Kansas 67202+3738  
 ATTN: Aaron Young

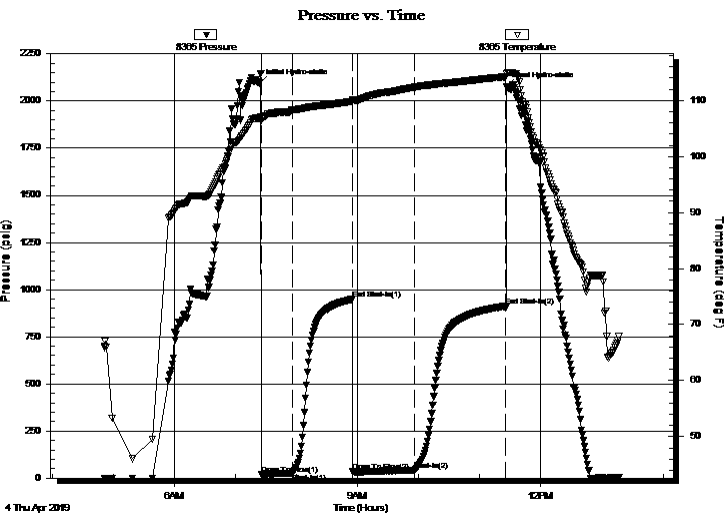
**19/17S/25W/Ness**  
**Norton J #5**  
 Job Ticket: 65656 **DST#: 1**  
 Test Start: 2019.04.04 @ 04:51:00

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole (Initial)  
 Time Tool Opened: 07:25:17 Tester: Ken Swinney  
 Time Test Ended: 13:17:01 Unit No: 72 Hays/ 138  
 Interval: **4290.00 ft (KB) To 4344.00 ft (KB) (TVD)** Reference Elevations: 2494.00 ft (KB)  
 Total Depth: 4344.00 ft (KB) (TVD) 2487.00 ft (CF)  
 Hole Diameter: 7.80 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

**Serial #: 8365 Inside**  
 Press@RunDepth: 42.81 psig @ 4291.00 ft (KB) Capacity: psig  
 Start Date: 2019.04.04 End Date: 2019.04.04 Last Calib.: 2019.04.04  
 Start Time: 04:51:01 End Time: 13:17:02 Time On Btm: 2019.04.04 @ 07:23:32  
 Time Off Btm: 2019.04.04 @ 11:26:32

**TEST COMMENT:** IF 30 Minutes/ Blow built to 2 1/4 inch  
 ISI 60 Minutes/ No blow back  
 FF 60 Minutes/ Blow built to 4 inch  
 FSI 90 Minutes/ No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2095.09	106.81	Initial Hydro-static
2	19.03	106.38	Open To Flow (1)
32	27.04	108.23	Shut-In(1)
92	948.99	109.86	End Shut-In(1)
92	34.13	110.04	Open To Flow (2)
153	42.81	112.36	Shut-In(2)
242	912.72	114.27	End Shut-In(2)
243	2077.83	114.84	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
55.00	VLOSP/ M 100%	0.77
0.00	5 feet GIP	0.00

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



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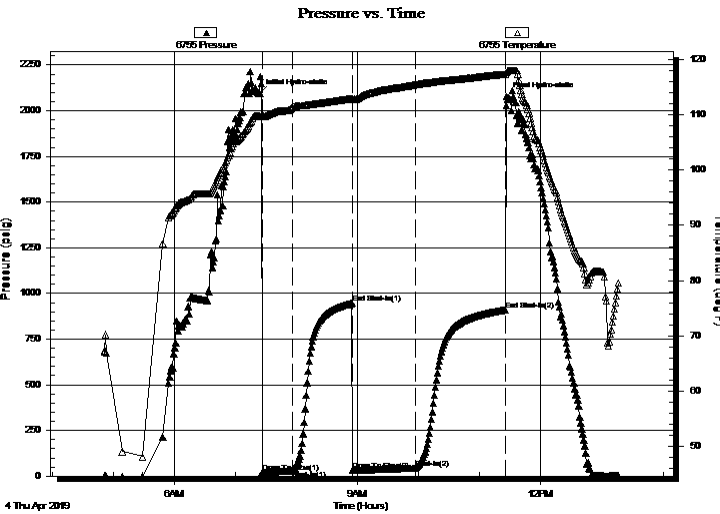
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**Norton J #5**  
Job Ticket: 65656      **DST#: 1**  
Test Start: 2019.04.04 @ 04:51:00

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 07:25:17  
Time Test Ended: 13:17:01  
Interval: **4290.00 ft (KB) To 4344.00 ft (KB) (TVD)**  
Total Depth: 4344.00 ft (KB) (TVD)  
Hole Diameter: 7.80 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Ken Swinney  
Unit No: 72 Hays/ 138  
Reference Elevations: 2494.00 ft (KB)  
2487.00 ft (CF)  
KB to GR/CF: 7.00 ft

**Serial #: 6755      Outside**  
Press@RunDepth: 910.54 psig @ 4292.00 ft (KB)      Capacity:                      psig  
Start Date: 2019.04.04      End Date: 2019.04.04      Last Calib.: 2019.04.04  
Start Time: 04:51:01      End Time: 13:17:02      Time On Btm: 2019.04.04 @ 07:23:47  
Time Off Btm: 2019.04.04 @ 11:26:32

TEST COMMENT: IF 30 Minutes/ Blow built to 2 1/4 inch  
ISI 60 Minutes/ No blow back  
FF 60 Minutes/ Blow built to 4 inch  
FSI 90 Minutes/ No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2094.18	109.78	Initial Hydro-static
3	19.37	109.73	Open To Flow (1)
33	30.73	111.29	Shut-In(1)
91	946.75	112.93	End Shut-In(1)
92	34.31	112.79	Open To Flow (2)
153	43.95	115.42	Shut-In(2)
242	910.54	117.37	End Shut-In(2)
243	2078.15	117.68	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	VLOSP/ M 100%	0.77
0.00	5 feet GIP	0.00

## Gas Rates

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



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**FLUID SUMMARY**

Pickrell Drilling Co. Inc

**19/17S/25W/Ness**

100 S Main  
Suite 505  
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ATTN: Aaron Young

**Norton J #5**

Job Ticket: 65656

**DST#: 1**

Test Start: 2019.04.04 @ 04:51:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 57.00 sec/qt  
Water Loss: 9.59 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 2900.00 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
55.00	VLOSP/ M 100%	0.772
0.00	5 feet GIP	0.000

Total Length: 55.00 ft      Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

