



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Charles N Griffin

**34-32S-12W Barber**

PO Box 347  
Pratt, KS 67124

**Springer 1**

Job Ticket: 57997

**DST#: 1**

ATTN: Bruce Reed

Test Start: 2016.07.02 @ 23:11:22

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:47:07

Time Test Ended: 08:06:22

Test Type: Conventional Bottom Hole (Initial)

Tester: Leal Cason

Unit No: 74

**Interval: 4774.00 ft (KB) To 4806.00 ft (KB) (TVD)**

Reference Elevations: 1558.00 ft (KB)

Total Depth: 4806.00 ft (KB) (TVD)

1553.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

**Serial #: 8525 Inside**

Press @ Run Depth: 387.21 psig @ 4775.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.07.02

End Date: 2016.07.03

Last Calib.: 2016.07.03

Start Time: 23:11:23

End Time: 08:06:22

Time On Btm: 2016.07.03 @ 01:39:22

Time Off Btm: 2016.07.03 @ 04:34:22

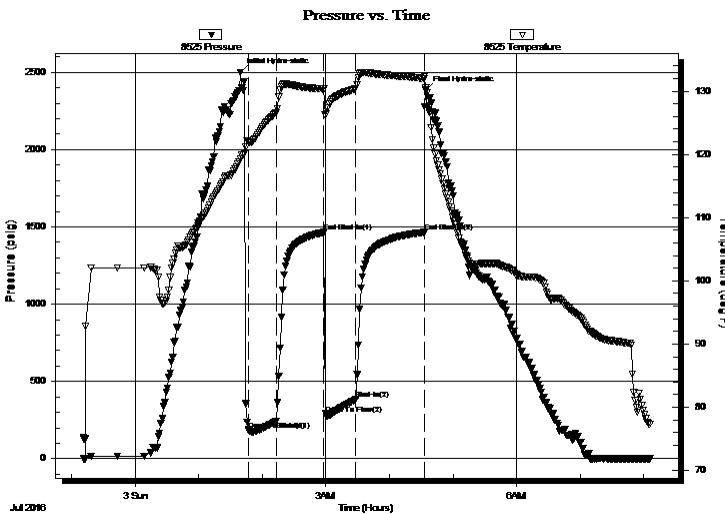
**TEST COMMENT:** IF: Strong Blow, BOB in 15 seconds, GTS in 10 minutes, Gauged Gas

IS: BOB Blow Back in 25 minutes

FF: Strong Blow, BOB in 10 seconds, GTS immediate, TSTM

FS: BOB Blow Back in 22 minutes

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2499.56	119.36	Initial Hydro-static
8	186.19	121.98	Open To Flow (1)
34	243.10	126.61	Shut-In(1)
79	1464.76	130.34	End Shut-In(1)
80	290.77	126.20	Open To Flow (2)
109	387.21	130.40	Shut-In(2)
174	1464.87	131.99	End Shut-In(2)
175	2384.09	130.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	2801 GIP	0.00
180.00	GOCM 20%G 10%O 70%M	1.42
1773.00	GSY Oil 10%G 90%O	24.87

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	27.00	151.66
Last Gas Rate	0.38	20.00	126.02
Max. Gas Rate	0.38	27.00	151.66





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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7500.00 ppm

Filter Cake: 0.02 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	2801 GIP	0.000
180.00	GOCM 20%G 10%O 70%M	1.423
1773.00	GSY Oil 10%G 90%O	24.871

Total Length: 1953.00 ft      Total Volume: 26.294 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity w as 38 @ 80 degrees

Serial #: 8525

Inside

Charles N Griffin

Springer 1

DST Test Number: 1

