



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco, LLC

**1/31S/35W Stevens,KS**

Wichita, KS

**Brown 3-1**

ATTN: Ed Grieves

Job Ticket: 47659

**DST#: 3**

Test Start: 2019.07.22 @ 07:18:00

## GENERAL INFORMATION:

Formation: **Marmaton A**

Deviated: No Whipstock: 2981.00 ft (KB)

Time Tool Opened: 10:22:55

Time Test Ended: 16:31:40

Test Type: Conventional Bottom Hole (Initial)

Tester: Chris Hagman

Unit No: 75

Interval: **4709.00 ft (KB) To 4767.00 ft (KB) (TVD)**

Reference Elevations: 2981.00 ft (KB)

Total Depth: 4767.00 ft (KB) (TVD)

2969.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 8289**

**Inside**

Press@RunDepth: 140.74 psig @ 4711.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.22

End Date:

2019.07.22

Last Calib.:

1899.12.30

Start Time:

07:18:02

End Time:

16:31:40

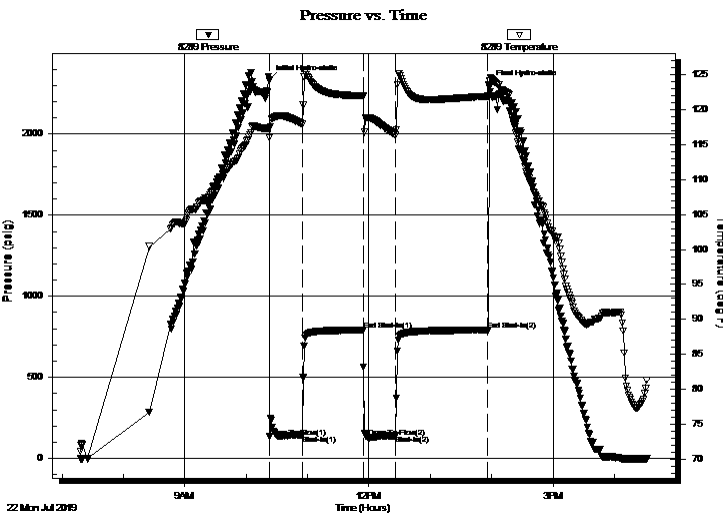
Time On Btm:

2019.07.22 @ 10:22:25

Time Off Btm:

2019.07.22 @ 13:57:24

TEST COMMENT: IF: BOB 30 sec., GTS 5 min., 453 MCF  
 IS: Blow back 5 min., weak surface blow  
 FF: BOB GTS ASAO, 522 MCF  
 FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2332.79	117.37	Initial Hydro-static
1	133.49	116.01	Open To Flow (1)
33	143.48	117.88	Shut-In(1)
92	791.34	121.98	End Shut-In(1)
97	128.22	118.87	Open To Flow (2)
124	140.74	116.31	Shut-In(2)
214	791.04	121.92	End Shut-In(2)
215	2306.56	123.39	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gassy mud 5%G,95%M	1.68

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.63	22.00	389.51
Last Gas Rate	0.63	37.60	556.44
Max. Gas Rate	0.63	37.60	556.44



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Total Depth: 4767.00 ft (KB) (TVD)

2969.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 6672 Outside**

Press@RunDepth: psig @ 4711.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.07.22 End Date: 2019.07.22

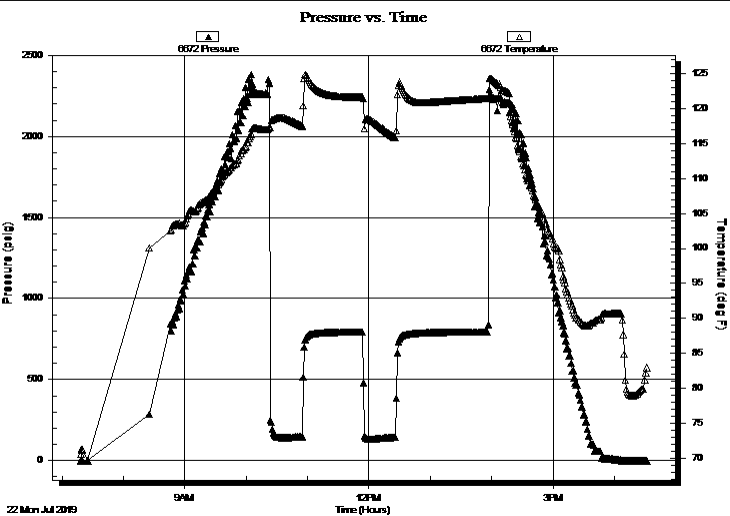
Last Calib.: 1899.12.30

Start Time: 07:18:02 End Time: 16:31:40

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF: BOB 30 sec., GTS 5 min., 453 MCF  
IS: Blow back 5 min., weak surface blow  
FF: BOB GTS ASAO, 522 MCF  
FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	gassy mud 5%G,95%M	1.68

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.63	22.00	389.51
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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Berexco, LLC

**1/31S/35W Stevens,KS**

Wichita, KS

**Brown 3-1**

Job Ticket: 47659

**DST#: 3**

ATTN: Ed Grieves

Test Start: 2019.07.22 @ 07:18:00

## 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: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3300.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	gassy mud 5%G,95%M	1.683

Total Length: 120.00 ft      Total Volume: 1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

Berexco, LLC

**1/31S/35W Stevens,KS**

Wichita, KS

**Brown 3-1**

Job Ticket: 47659

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ATTN: Ed Grieves

Test Start: 2019.07.22 @ 07:18:00

### Gas Rates Information

Temperature: 59 (deg F)  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	10	0.63	22.00	389.51
1	20	0.63	26.60	438.73
1	30	0.63	30.60	481.53
2	10	0.63	31.90	495.44
2	20	0.63	36.70	546.81
2	30	0.63	37.60	556.44

### Pressure vs. Time

