



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita, KS 67206  
 ATTN: Ed Grieves

**22-30s-33w Haskell, KS**

**Risa 1-22**

Job Ticket: 65574

**DST#: 3**

Test Start: 2019.11.19 @ 20:25:00

## GENERAL INFORMATION:

Formation: **Marmaton " B "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:19:50

Time Test Ended: 07:00:40

Test Type: Conventional Bottom Hole (Reset)

Tester: Martine Salinas

Unit No: 82

Interval: **4790.00 ft (KB) To 4808.00 ft (KB) (TVD)**

Reference Elevations: ft (KB)

Total Depth: 4808.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

**Serial #: 8734 Outside**

Press@RunDepth: 25.88 psig @ 4791.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.11.19 End Date: 2019.11.20

Last Calib.: 2019.11.20

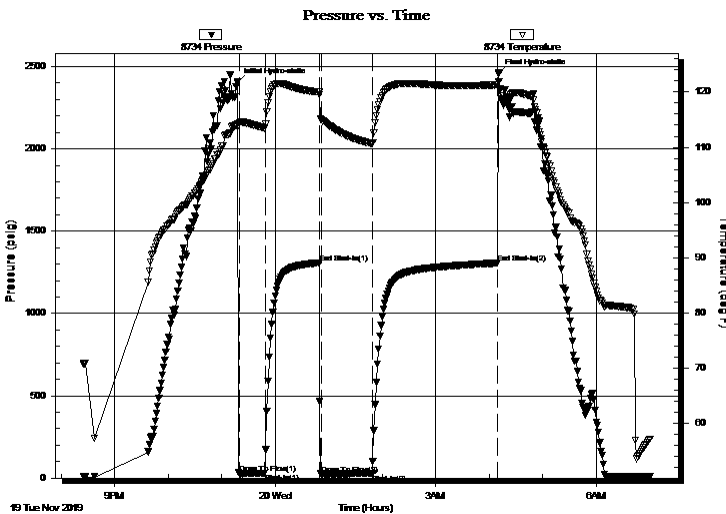
Start Time: 20:25:01 End Time: 07:00:40

Time On Btm: 2019.11.19 @ 23:17:50

Time Off Btm: 2019.11.20 @ 04:10:50

**TEST COMMENT:** 30-IF-B.O.B 15 secs blow increased to 214 1/4" @ 1/4" choke  
 60-ISI-No blow back  
 60-FF-B.O.B ASAO increased to 355 1/2" @ 1/8" choke  
 120-FSI-No blow back

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2402.72	114.18	Initial Hydro-static
2	26.14	114.48	Open To Flow (1)
31	27.16	113.42	Shut-In(1)
92	1306.85	119.99	End Shut-In(1)
95	24.83	114.94	Open To Flow (2)
152	25.88	110.63	Shut-In(2)
292	1305.49	121.31	End Shut-In(2)
294	2458.78	123.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.14
0.00	4772' GIP	0.00

\* Recovery from multiple tests

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	7.00	33.95
Last Gas Rate	0.13	13.00	10.26
Max. Gas Rate	0.13	13.00	10.26



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Tester: Martine Salinas

Unit No: 82

Interval: **4790.00 ft (KB) To 4808.00 ft (KB) (TVD)**

Reference Elevations: ft (KB)

Total Depth: 4808.00 ft (KB) (TVD)

ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: ft

**Serial #: 8959** Inside

Press@RunDepth: psig @ 4791.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2019.11.19 End Date: 2019.11.20

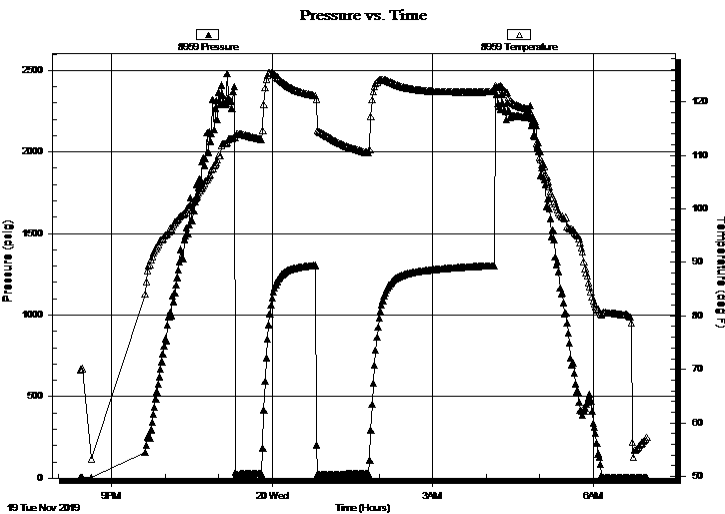
Last Calib.: 2019.11.20

Start Time: 20:25:01 End Time: 07:00:30

Time On Btm:

Time Off Btm:

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120-FSI-No blow back



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
10.00	100% Mud	0.14
0.00	4772' GIP	0.00

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	7.00	33.95
Last Gas Rate	0.13	13.00	10.26
Max. Gas Rate	0.13	13.00	10.26

\* Recovery from multiple tests



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# DRILL STEM TEST REPORT

## FLUID SUMMARY

Berexco LLC

**22-30s-33w Haskell, KS**

2020 N Bramblewood  
Wichita, KS 67206

**Risa 1-22**

Job Ticket: 65574

**DST#: 3**

ATTN: Ed Grieves

Test Start: 2019.11.19 @ 20:25:00

### 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: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2100.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
10.00	100% Mud	0.140
0.00	4772' GIP	0.000

Total Length: 10.00 ft      Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

Berexco LLC

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**Risa 1-22**

Job Ticket: 65574

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ATTN: Ed Grieves

Test Start: 2019.11.19 @ 20:25:00

### Gas Rates Information

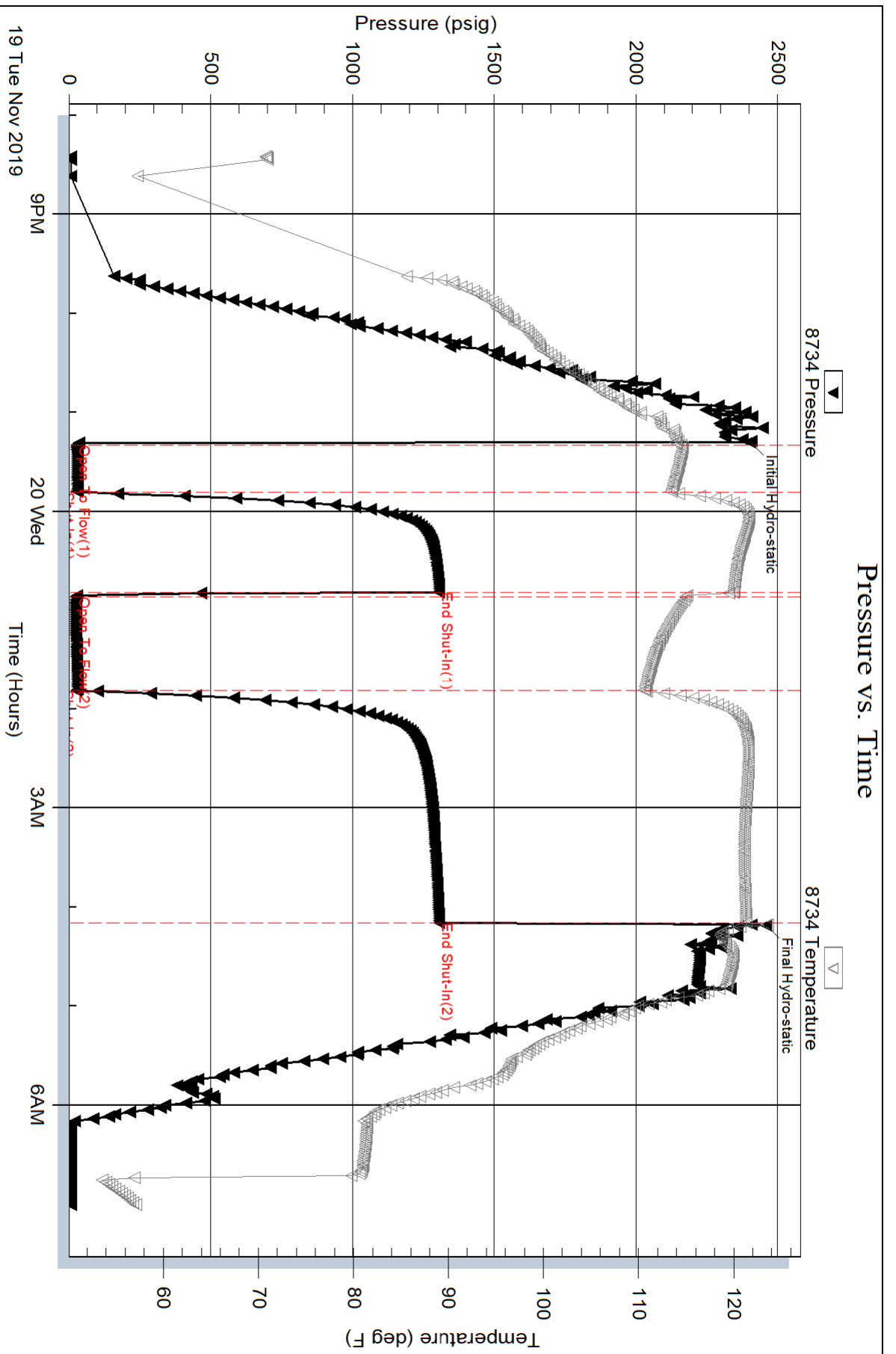
Temperature: 59 (deg F)

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	25	0.25	7.00	33.95
1	30	0.25	7.69	35.04
2	10	0.25	7.75	35.14
2	20	0.25	7.50	34.74
2	30	0.13	8.75	8.66
2	40	0.13	10.78	9.42
2	50	0.13	12.10	9.92
2	60	0.13	13.00	10.26



Serial #: 8959

Inside

Berexco LLC

Risa 1-22

DST Test Number: 3

