



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC

**15-10s-33w Thomas Co KS**

2020 N Bramblewood  
Wichita KS  
67206  
ATTN: Bryan Bynog

**MRM #2**

Job Ticket: 63943

**DST#: 6**

Test Start: 2019.11.02 @ 03:36:15

## GENERAL INFORMATION:

Formation: **I-J**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Reset)**  
 Time Tool Opened: **06:52:45** Tester: **Mike Roberts**  
 Time Test Ended: **12:29:30** Unit No: **81**  
**Interval: 4255.00 ft (KB) To 4320.00 ft (KB) (TVD)** Reference Elevations: **3160.00 ft (KB)**  
 Total Depth: **4320.00 ft (KB) (TVD)** **3150.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

**Serial #: 8521**

**Inside**

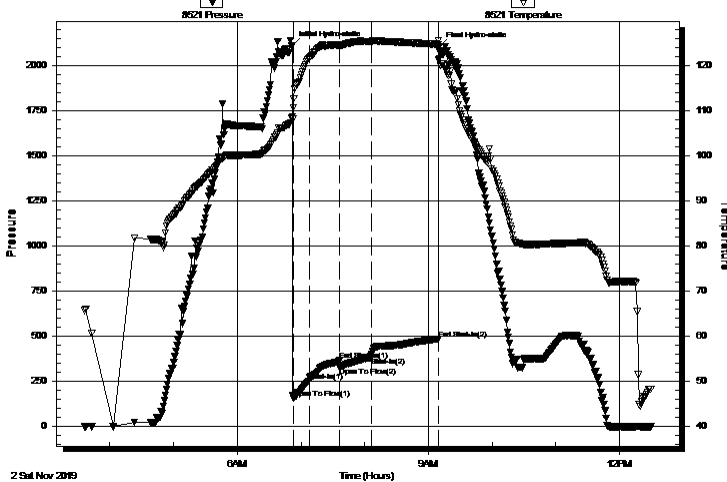
Press@RunDepth: **383.60 psig @ 4290.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2019.11.02** End Date: **2019.11.02** Last Calib.: **2019.11.02**  
 Start Time: **03:36:15** End Time: **12:29:30** Time On Btm: **2019.11.02 @ 06:52:00**  
 Time Off Btm: **2019.11.02 @ 09:10:30**

**TEST COMMENT:** IF:BOB in 3 min. Built to 71" blow  
 IS:BOB in 10 min. Built to 38 1/2" blow  
 FF:BOB in 5 min Built to 70" blow  
 FS:BOB in 40 min. Built to 17" blow

## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2112.75	108.66	Initial Hydro-static
1	154.83	110.65	Open To Flow (1)
16	253.13	121.53	Shut-In(1)
44	366.01	124.30	End Shut-In(1)
45	329.68	124.29	Open To Flow (2)
74	383.60	125.37	Shut-In(2)
137	485.73	124.68	End Shut-In(2)
139	2106.89	121.55	Final Hydro-static

Pressure vs. Time



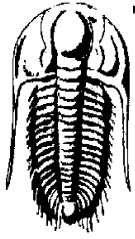
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 1054 ft	0.00
960.00	gco 10%g 90%o	12.94
58.00	mcog 10%m 30%o 60%g	0.81

## Gas Rates

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

\* Recovery from multiple tests



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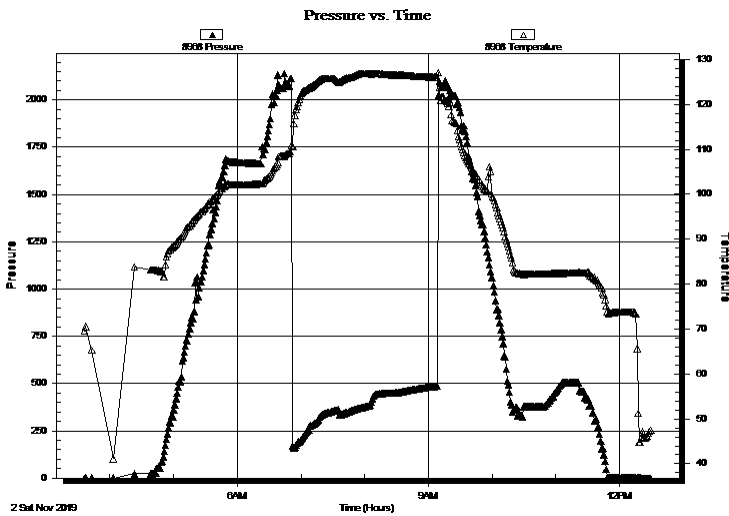
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 Total Depth: **4320.00 ft (KB) (TVD)** **3150.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **10.00 ft**

**Serial #: 8968** **Outside**  
 Press@RunDepth: **psig @ 4290.00 ft (KB)** Capacity: **8000.00 psig**  
 Start Date: **2019.11.02** End Date: **2019.11.02** Last Calib.: **2019.11.02**  
 Start Time: **03:36:15** End Time: **12:29:15** Time On Btm:  
 Time Off Btm:

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## PRESSURE SUMMARY

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

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP= 1054 ft	0.00
960.00	gco 10%g 90%o	12.94
58.00	mcog 10%m 30%o 60%g	0.81

## Gas Rates

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

\* Recovery from multiple tests



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**FLUID SUMMARY**

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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.40 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4300.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	GIP= 1054 ft	0.000
960.00	gco 10%g 90%o	12.938
58.00	mcog 10%m 30%o 60%g	0.814

Total Length: 1018.00 ft      Total Volume: 13.752 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 32@ 40 corrected to 32 @60

# Pressure vs. Time

