



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC  
 2020 N Bramblewood  
 Wichita KS 67206  
 ATTN: Bryan Bynog

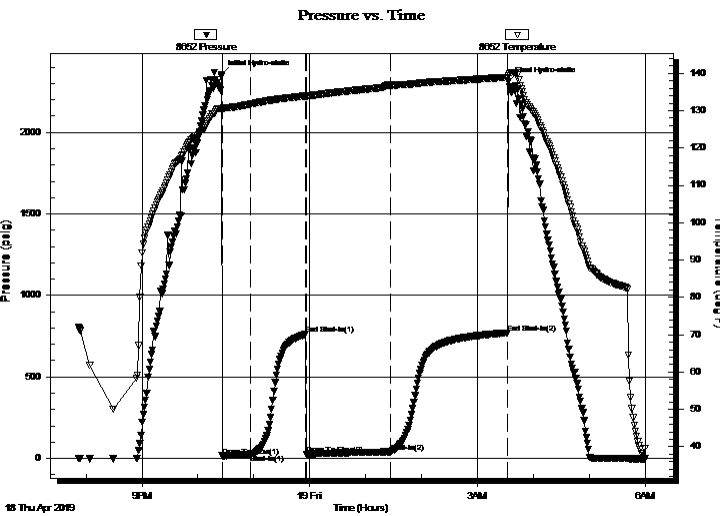
**12/25/37W Cheyenne KS**  
**Bud #1-12**  
 Job Ticket: 65362      **DST#: 5**  
 Test Start: 2019.04.18 @ 19:52:00

## GENERAL INFORMATION:

Formation: **LKC "E"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 22:25:45  
 Time Test Ended: 05:59:15  
 Interval: **4496.00 ft (KB) To 4550.00 ft (KB) (TVD)**  
 Total Depth: 4550.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: James Winder/Shaw n W  
 Unit No: 83  
 Reference Elevations: 3397.00 ft (KB)  
 3389.00 ft (CF)  
 KB to GR/CF: 8.00 ft

**Serial #: 8652      Outside**  
 Press@RunDepth: 39.37 psig @ 4497.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2019.04.18      End Date: 2019.04.19      Last Calib.: 2019.04.19  
 Start Time: 19:52:05      End Time: 05:59:15      Time On Btm: 2019.04.18 @ 22:25:30  
 Time Off Btm: 2019.04.19 @ 03:32:45

**TEST COMMENT:** 30 - IF: Blow built to 1"  
 60 - IS: No blow back  
 90 - FF: Blow built to 2"  
 120 - FS: No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2353.04	130.68	Initial Hydro-static
1	15.66	130.00	Open To Flow (1)
32	23.21	131.77	Shut-In(1)
90	760.45	133.94	End Shut-In(1)
91	25.92	133.81	Open To Flow (2)
181	39.37	136.86	Shut-In(2)
307	770.32	138.93	End Shut-In(2)
308	2310.64	139.27	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
62.00	HOCM 62% <sub>m</sub> , 36% <sub>o</sub> , 2% <sub>g</sub>	0.30
5.00	CGO 88% <sub>o</sub> , 12% <sub>g</sub>	0.07

## Gas Rates

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

\* Recovery from multiple tests





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**FLUID SUMMARY**

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2020 N Bramblewood  
Wichita KS 67206

**Bud #1-12**

Job Ticket: 65362

**DST#: 5**

ATTN: Bryan Bynog

Test Start: 2019.04.18 @ 19:52:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38.4 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 900.00 ppm

Filter Cake: 2.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	HOCM 62% <i>m</i> , 36% <i>o</i> , 2% <i>g</i>	0.305
5.00	CGO 88% <i>o</i> , 12% <i>g</i>	0.070

Total Length: 67.00 ft      Total Volume: 0.375 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Gravity = 36 api @ 36 deg F    Corrected Gravity = 38.4 api

