



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Berexco LLC.  
2020 N. Bramblewood  
Wichita Ks.  
67206  
ATTN: Pete Vollmer

**23 1s 36w Rawlins Ks.**

**Michael #1-23**

Job Ticket: 56788

**DST#: 3**

Test Start: 2014.02.15 @ 16:45:00

## GENERAL INFORMATION:

Formation: **LKC-A**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:00:30  
 Time Test Ended: 04:50:30  
 Test Type: Conventional Bottom Hole (Reset)  
 Tester: Chuck Kreuzer Jr.  
 Unit No: 61  
 Interval: **4154.00 ft (KB) To 4250.00 ft (KB) (TVD)**  
 Reference Elevations: 3284.00 ft (KB)  
 Total Depth: 4250.00 ft (KB) (TVD)  
 3271.00 ft (CF)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 KB to GR/CF: 13.00 ft

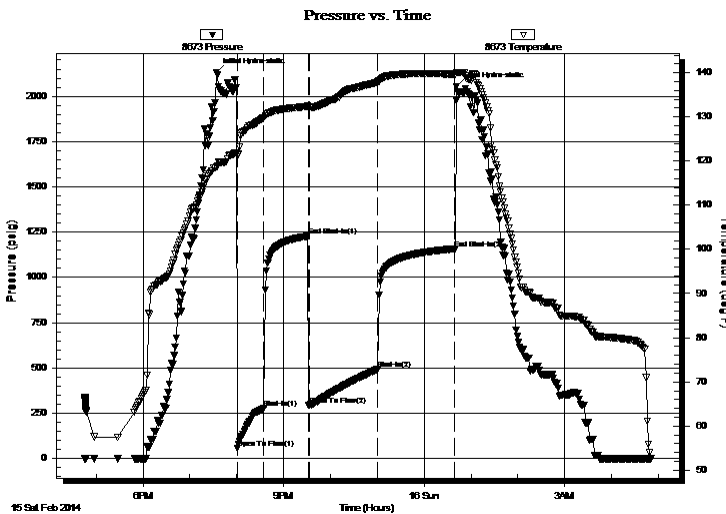
## Serial #: 8673

Inside

Press @ Run Depth: 494.09 psig @ 4155.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2014.02.15 End Date: 2014.02.16 Last Calib.: 2014.02.16  
 Start Time: 16:45:01 End Time: 04:50:30 Time On Btm: 2014.02.15 @ 19:33:30  
 Time Off Btm: 2014.02.16 @ 00:41:30

**TEST COMMENT:** IF: Strong blow, Built to B.O.B in 10 mins.  
 IS: Bled off, Blow back after 5 mins. Built to 3 in. over 60 mins.  
 FF: Strong blo, Built to B.O.B in 8 mins.  
 FS: Bled off, Blow back after 1 min., Built to 3 in. over 90 mins

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2131.62         | 118.75       | Initial Hydro-static |
| 27          | 57.27           | 121.33       | Open To Flow (1)     |
| 61          | 277.05          | 129.83       | Shut-In(1)           |
| 118         | 1228.00         | 132.40       | End Shut-In(1)       |
| 120         | 296.00          | 132.05       | Open To Flow (2)     |
| 207         | 494.09          | 137.86       | Shut-In(2)           |
| 305         | 1158.05         | 139.66       | End Shut-In(2)       |
| 308         | 2052.02         | 140.06       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                         | Volume (bbl) |
|-------------|-------------------------------------|--------------|
| 0.00        | 94ft. of gas in pipe                | 0.00         |
| 0.00        | gravity 19@60*=19 corrected gravity | 0.00         |
| 263.00      | go-30%g60%o                         | 1.29         |
| 263.00      | go-40%g60%o                         | 1.29         |
| 328.00      | og-65%g35%o                         | 4.60         |
| 328.00      | og-75%g25%o                         | 4.60         |

## 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  
Mud Weight: 10.00 lb/gal  
Viscosity: 46.00 sec/qt  
Water Loss: 6.40 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 800.00 ppm  
Filter Cake: 2.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: 19 deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

| Length<br>ft | Description                         | Volume<br>bbl |
|--------------|-------------------------------------|---------------|
| 0.00         | 94ft. of gas in pipe                | 0.000         |
| 0.00         | gravity 19@60*=19 corrected gravity | 0.000         |
| 263.00       | go-30%g60%o                         | 1.293         |
| 263.00       | go-40%g60%o                         | 1.293         |
| 328.00       | og-65%g35%o                         | 4.601         |
| 328.00       | og-75%g25%o                         | 4.601         |

Total Length: 1182.00 ft      Total Volume: 11.788 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

# Pressure vs. Time

