



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Quest Energy LLC  
2732 N Reese Rd  
Brookville KS 67425-9812  
ATTN: Ken Wallace

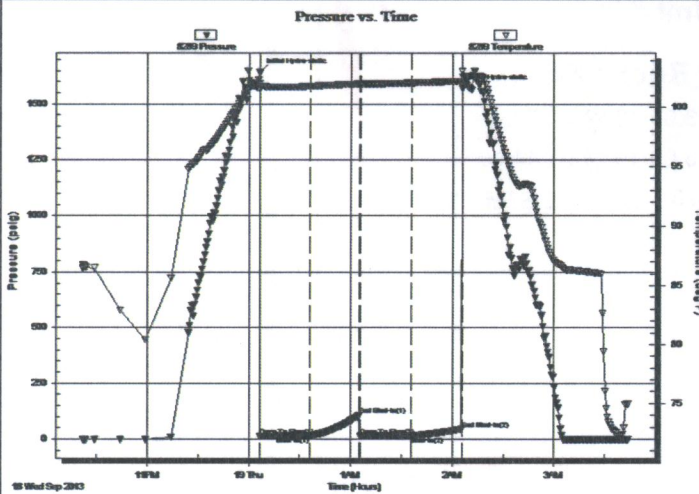
**2 10s 16w Rooks, KS**  
**Kruse Unit # 207**  
Job Ticket: 50473      **DST#: 3**  
Test Start: 2013.09.18 @ 22:22:00

## GENERAL INFORMATION:

Formation: **LKC J-K**  
Deviated: No      Whipstock:      ft (KB)  
Time Tool Opened: 00:06:30  
Time Test Ended: 03:44:00  
Test Type: Conventional Bottom Hole (Reset)  
Tester: Jim Svaty  
Unit No: 54  
Interval: **3266.00 ft (KB) To 3319.00 ft (KB) (TVD)**  
Reference Elevations: 1959.00 ft (KB)  
Total Depth: 3319.00 ft (KB) (TVD)  
1954.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 5.00 ft

**Serial #: 8289      Outside**  
Press@RunDepth: 15.11 psig @ 3282.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2013.09.18      End Date: 2013.09.19      Last Calib.: 2013.09.19  
Start Time: 22:22:02      End Time: 03:44:00      Time On Btm: 2013.09.19 @ 00:06:15  
Time Off Btm: 2013.09.19 @ 02:06:00

TEST COMMENT: 30-IFP- Good Surge On Open Surface Blow Died in 8 min.  
30-ISIP- No Blow  
30-FFP- No Blow  
30-FSIP- No Blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.10	102.02	Initial Hydro-static
1	14.43	101.55	Open To Flow (1)
30	14.47	101.78	Shut-In(1)
59	106.35	101.99	End Shut-In(1)
60	14.57	101.95	Open To Flow (2)
90	15.11	102.07	Shut-In(2)
120	45.37	102.22	End Shut-In(2)
120	1570.74	103.10	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud 100% Show of Oil in Tool	0.03

\* Recovery from multiple tests

## Gas Rates

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



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**FLUID SUMMARY**

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**2 10s 16w Rooks,KS**  
**Kruse Unit # 207**  
Job Ticket: 50473      **DST#: 3**  
Test Start: 2013.09.18 @ 22:22:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 56.00 sec/qt  
Water Loss: 8.38 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7500.00 ppm  
Filter Cake: 2.00 inches

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

Oil API:      deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2.00	Mud 100% Show of Oil in Tool	0.028

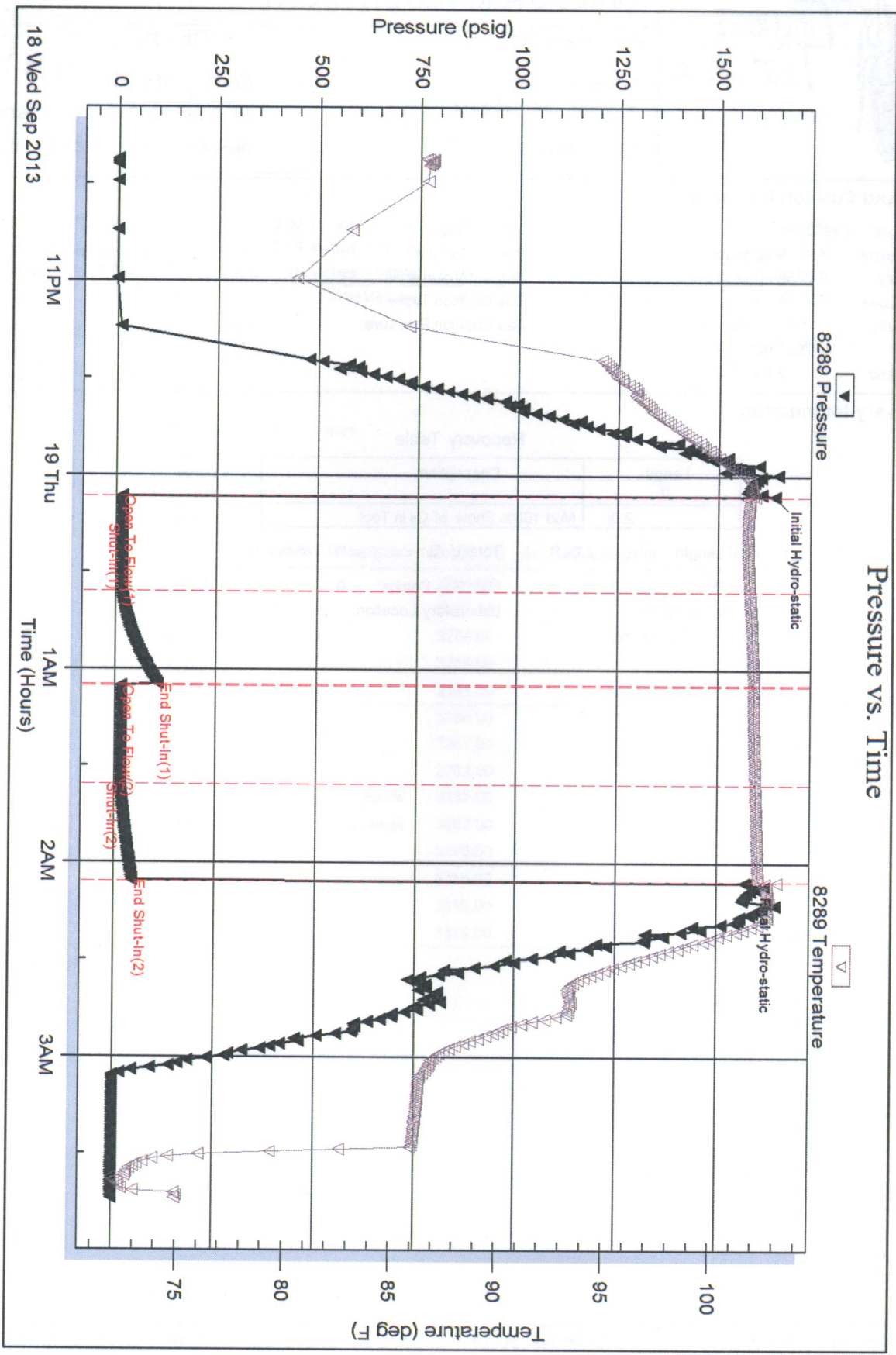
Total Length: 2.00 ft      Total Volume: 0.028 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

Serial #: 8289

Outside Quest Energy LLC

Kruse Unit # 207

DST Test Number: 3



Trioble Testing, Inc

Ref. No: 50473

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