



**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: 50471 **DST#: 1**
Test Start: 2013.09.17 @ 14:28:00

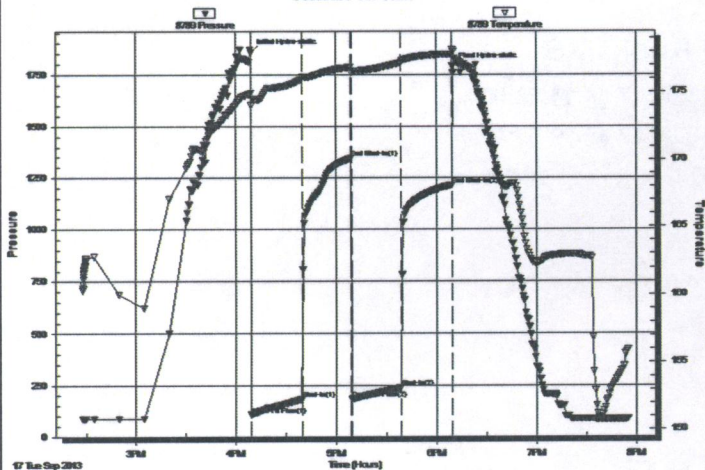
GENERAL INFORMATION:

Formation: **Toronto - LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:09:15
Time Test Ended: 19:55:00
Test Type: Conventional Bottom Hole (Initial)
Tester: Jim Svaty
Unit No: 54
Interval: **3044.00 ft (KB) To 3114.00 ft (KB) (TVD)**
Total Depth: 3114.00 ft (KB) (TVD)
Reference Elevations: 1959.00 ft (KB)
1954.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair
KB to GR/CF: 5.00 ft

Serial #: 8789 **Inside**
Press@RunDepth: 237.67 psig @ 3046.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.09.17 End Date: 2013.09.17 Last Calib.: 2013.09.17
Start Time: 14:28:02 End Time: 19:55:15 Time On Btm: 2013.09.17 @ 16:09:00
Time Off Btm: 2013.09.17 @ 18:09:30

TEST COMMENT: 30-IFP- Weak Intermittent Surface Blow
30-ISIP- No Blow
30-FFP- Weak Surface Blow for 7 min. to BOB in 30 sec.
30-FSIP- No Blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1855.28	174.92	Initial Hydro-static
1	107.56	174.11	Open To Flow (1)
31	182.73	175.94	Shut-In(1)
60	1345.86	176.83	End Shut-In(1)
61	184.60	176.40	Open To Flow (2)
90	237.67	177.16	Shut-In(2)
121	1213.81	177.78	End Shut-In(2)
121	1788.24	178.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	Water 100%	0.88
140.00	MCW 40% m 60% w Show of Oil	1.96

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

2 10s 16w Rooks, KS
Kruse Unit # 207
Job Ticket: 50471 **DST#: 1**
Test Start: 2013.09.17 @ 14:28:00

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:	56000 ppm
Viscosity:	62.00 sec/qt	Cushion Volume:	bbbl		
Water Loss:	7.57 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
63.00	Water 100%	0.884
140.00	MCW 40% m 60% w Show of Oil	1.964

Total Length: 203.00 ft Total Volume: 2.848 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: .120 @ 81

Serial #: 8789

Inside

Quest Energy LLC

Kuse Unit # 207

DST Test Number: 1

Pressure vs. Time

