



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Charter Energy Inc
 P O Box 252
 Great Bend Ks 67530
 ATTN: Steve Baise

14-15s-17wEllis
Paul #1
 Job Ticket: 54255 **DST#: 1**
 Test Start: 2013.07.21 @ 00:50:15

GENERAL INFORMATION:

Formation: **LKC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:25:10
 Time Test Ended: 05:58:24
Interval: 3271.00 ft (KB) To 3346.00 ft (KB) (TVD)
 Total Depth: 3346.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 70
 Reference Elevations: 1951.00 ft (KB)
 1946.00 ft (CF)
 KB to GR/CF: 5.00 ft

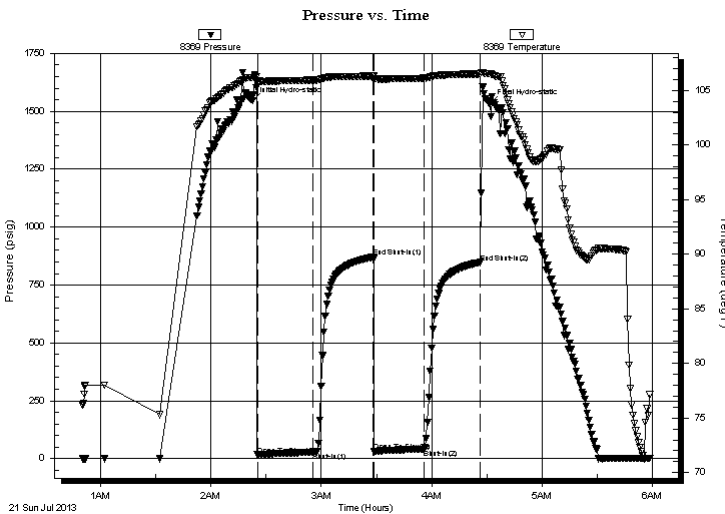
Serial #: 8369

Inside

Press @ Run Depth: 41.62 psig @ 3278.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.07.21 End Date: 2013.07.21 Last Calib.: 2013.07.21
 Start Time: 00:50:15 End Time: 05:58:24 Time On Btm: 2013.07.21 @ 02:22:40
 Time Off Btm: 2013.07.21 @ 04:31:40

TEST COMMENT: 30-IFP-w k bl thru-out 1/4" to 1/2" bl
 30-ISIP-no bl
 30-FFP-surface bl thru-out
 30-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1543.83	106.15	Initial Hydro-static
3	16.64	105.83	Open To Flow (1)
33	29.22	105.94	Shut-In(1)
66	871.08	106.32	End Shut-In(1)
66	30.47	105.92	Open To Flow (2)
94	41.62	106.11	Shut-In(2)
124	847.65	106.50	End Shut-In(2)
129	1531.87	106.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	Mud	0.63

Gas Rates

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



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FLUID SUMMARY

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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:	ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.56 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
45.00	Mud	0.631

Total Length: 45.00 ft Total Volume: 0.631 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

