



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Famer, John O. Inc

4-15s-12w Russell KS

Po box 352
Russell KS, 67665

Hall - Gurney #11

ATTN: Austin Klaus

Job Ticket: 53914

DST#: 1

Test Start: 2013.06.16 @ 18:09:00

GENERAL INFORMATION:

Formation: **Gorham Sand**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:23:30

Time Test Ended: 01:37:15

Test Type: Conventional Straddle (Initial)

Tester: Cody Bloedorn

Unit No: 43

Interval: 3198.00 ft (KB) To 3228.00 ft (KB) (TVD)

Reference Elevations: 1792.00 ft (KB)

Total Depth: 3370.00 ft (KB) (TVD)

1784.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6799

Inside

Press @ Run Depth: 350.93 psig @ 3199.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.16

End Date:

2013.06.17

Last Calib.: 2013.06.17

Start Time: 18:09:05

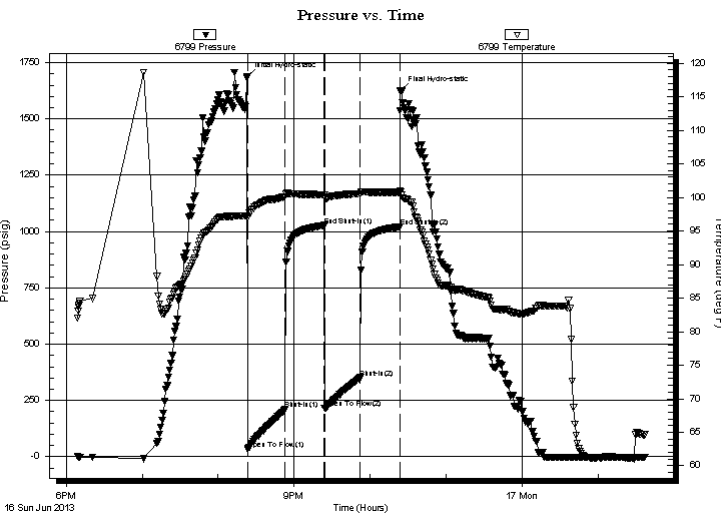
End Time:

01:37:14

Time On Btm: 2013.06.16 @ 20:23:00

Time Off Btm: 2013.06.16 @ 22:24:00

TEST COMMENT: 30 - IF- B.O.B. in 4 minutes
30 - IS- Surface return
30 - FF- B.O.B. in 5 minutes
30 - FS- No return



PRESSURE SUMMARY

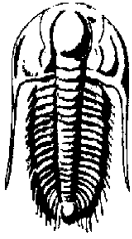
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1687.70	97.29	Initial Hydro-static
1	33.61	96.92	Open To Flow (1)
30	209.40	100.10	Shut-In(1)
61	1027.07	100.37	End Shut-In(1)
61	214.04	99.98	Open To Flow (2)
90	350.93	100.57	Shut-In(2)
121	1020.86	100.74	End Shut-In(2)
121	1626.26	100.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMW, 10%O, 40%M, 50%W	0.60
434.00	GMCO, 5%G, 40%M, 55%O	6.09
372.00	GO, 30%G, 70%O	5.22
0.00	186' G.I.P.	0.00

Gas Rates

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



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Reference Elevations: 1792.00 ft (KB)

Total Depth: 3370.00 ft (KB) (TVD)

1784.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8655 Below (Straddle)

Press @ Run Depth: psig @ 3233.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.06.16

End Date: 2013.06.17

Last Calib.: 2013.06.17

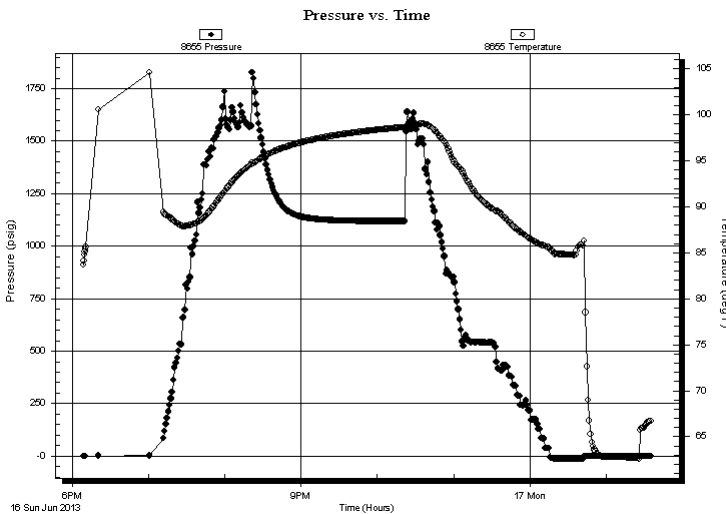
Start Time: 18:09:05

End Time: 01:35:29

Time On Btm:

Time Off Btm:

TEST COMMENT:
30 - IF- B.O.B. in 4 minutes
30 - IS- Surface return
30 - FF- B.O.B. in 5 minutes
30 - FS- No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOCMW, 10%O, 40%M, 50%W	0.60
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372.00	GO, 30%G, 70%O	5.22
0.00	186' G.I.P.	0.00

Gas Rates

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



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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: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
62.00	SOCMW, 10%O, 40%M, 50%W	0.596
434.00	GMCO, 5%G, 40%M, 55%O	6.088
372.00	GO, 30%G, 70%O	5.218
0.00	186' G.I.P.	0.000

Total Length: 868.00 ft

Total Volume: 11.902 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

