

DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Company, LLC**

100 S. Main
Suite 420
Wichita, KS 67202-3737

ATTN: Joe Baker

35-34s-12w-BA-KS

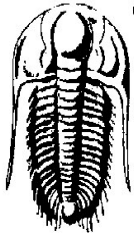
LADNER #1

Start Date: 2010.08.15 @ 19:54:00

End Date: 2010.08.16 @ 06:56:19

Job Ticket #: 38785 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lotus Operating Company, LLC

LADNER #1

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Job Ticket: 38785

DST#: 1

Test Start: 2010.08.15 @ 19:54:00

GENERAL INFORMATION:

Formation: **MISENER**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:09:00

Time Test Ended: 06:56:19

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 5125.00 ft (KB) To 5222.00 ft (KB) (TVD)

Reference Elevations: 1432.00 ft (KB)

Total Depth: 5222.00 ft (KB) (TVD)

1419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

Serial #: 8648 Inside

Press@RunDepth: 91.57 psig @ 5126.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.15 End Date: 2010.08.16

Last Calib.: 2010.08.16

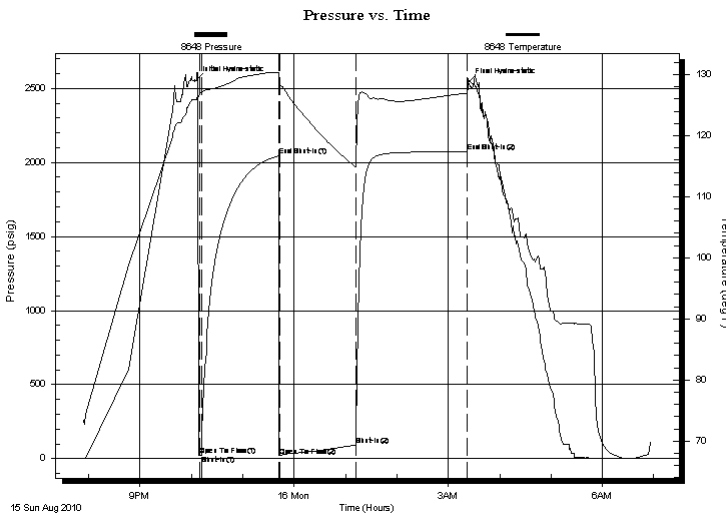
Start Time: 19:54:05 End Time: 06:56:20

Time On Btm: 2010.08.15 @ 22:04:20

Time Off Btm: 2010.08.16 @ 03:23:39

TEST COMMENT: IF: Strong blow, BOB 40 seconds.
IS: Bled off, no blow back.
FF: Strong blow, BOB immediately, GTS 36 minutes.
FSI: Bled off, no blow back.

PRESSURE SUMMARY



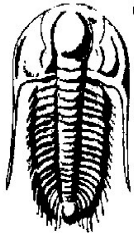
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2549.30	125.86	Initial Hydro-static
5	21.64	126.45	Open To Flow (1)
7	23.39	127.05	Shut-In(1)
98	2043.48	130.35	End Shut-In(1)
99	19.56	128.23	Open To Flow (2)
188	91.57	114.86	Shut-In(2)
318	2071.30	126.95	End Shut-In(2)
320	2541.42	129.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOSM -1%o +99% m	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	17.00	11.75
Last Gas Rate	0.13	48.00	23.35
Max. Gas Rate	0.13	48.00	23.35



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FLUID SUMMARY

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Job Ticket: 38785

DST#: 1

Test Start: 2010.08.15 @ 19:54:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOSM - 1%o +99%m	0.295

Total Length: 60.00 ft Total Volume: 0.295 bbl

Num Fluid Samples: 0

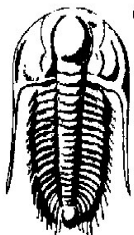
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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GAS RATES

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DST#: 1

Test Start: 2010.08.15 @ 19:54:00

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	40	0.13	17.00	11.75
2	50	0.13	25.00	14.75
2	60	0.13	30.00	16.62
2	70	0.13	38.00	19.61
2	80	0.13	44.00	21.86
2	90	0.13	48.00	23.35

Pressure vs. Time

