

DRILL STEM TEST REPORT

Prepared For: **Lotus Oper Co.LLC**

100 S.Main ,Ste 420
Wichita Ks.67202

ATTN: Bob Stolzle

20 25 9 Reno, KS

Joy Royce#2

Start Date: 2008.08.23 @ 08:37:25

End Date: 2008.08.23 @ 18:09:55

Job Ticket #: 31691 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Lotus Oper Co.LLC

Joy Royce#2

20 25 9 Reno, KS

DST # 1

Miss.

2008.08.23



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lotus Oper Co.LLC

100 S.Main ,Ste 420
Wichita Ks.67202

ATTN: Bob Stolze

Joy Royce#2

20 25 9 Reno, KS

Job Ticket: 31691

DST#: 1

Test Start: 2008.08.23 @ 08:37:25

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 11:15:55

Time Test Ended: 18:09:55

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3890.00 ft (KB) To 3910.00 ft (KB) (TVD)**

Total Depth: 3910.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1708.00 ft (KB)

1700.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 59.16 psig @ 3891.00 ft (KB)

Start Date: 2008.08.23

End Date:

2008.08.23

Capacity: 7000.00 psig

Last Calib.: 2008.08.23

Start Time: 08:37:30

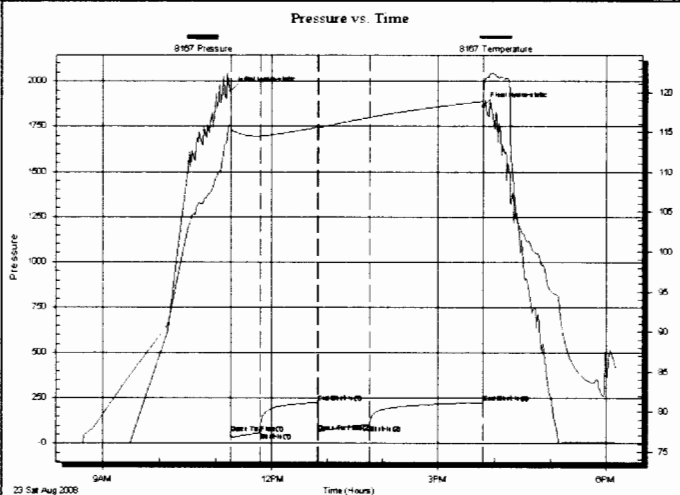
End Time:

18:09:55

Time On Btm: 2008.08.23 @ 11:15:40

Time Off Btm: 2008.08.23 @ 15:47:54

TEST COMMENT: IF Strong blow BOB in 4 min
ISI No blow
FF Strong blow BOB in 3 Min
FSI Weak blow 1/4 - 1/2"



PRESSURE SUMMARY

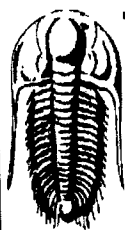
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1946.69	115.85	Initial Hydro-static
1	57.31	114.84	Open To Flow (1)
32	59.16	114.45	Shut-In (1)
94	226.20	115.60	End Shut-In (1)
95	63.06	115.58	Open To Flow (2)
151	104.65	116.81	Shut-In (2)
272	226.51	118.84	End Shut-In (2)
273	1862.62	119.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	MW 4%M 96%W Rw .06 ohms@ 94 deg.	1.77
55.00	MW 28%M 72%W	0.77
0.00	1860ft. of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Oper Co.LLC

100 S.Main ,Ste 420
Wichita Ks.67202

ATTN: Bob Stolzle

Joy Royce#2

20 25 9 Reno, KS

Job Ticket: 31691

DST#: 1

Test Start: 2008.08.23 @ 08:37:25

Tool Information

Drill Pipe:	Length:	3880.00 ft	Diameter:	3.80 inches	Volume:	54.43 bbl
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl
Drill Collar:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl
					Total Volume:	54.43 bbl

Drill Pipe Above KB: 13.00 ft
Depth to Top Packer: 3890.00 ft
Depth to Bottom Packer: ft
Interval between Packers: 13.00 ft
Tool Length: 36.00 ft
Number of Packers: 2

Diameter: 6.75 inches

Tool Comments:

Tool Weight: 2400.00 lb
Weight set on Packer: 24000.00 lb
Weight to Pull Loose: 75000.00 lb
Tool Chased 0.00 ft
String Weight: Initial 58000.00 lb
Final 68000.00 lb

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3868.00	
Shut In Tool	5.00			3873.00	
Hydraulic tool	5.00			3878.00	
Safety Joint	3.00			3881.00	
Packer	4.00			3885.00	23.00 Bottom Of Top Packer
Packer	5.00			3890.00	
Stubb	1.00			3891.00	
Recorder	0.00	8167	Inside	3891.00	
Recorder	0.00	8357	Inside	3891.00	
Perforations	7.00			3898.00	
Bullnose	5.00			3903.00	13.00 Bottom Packers & Anchor

Total Tool Length: 36.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Oper Co.LLC

Joy Royce#2

100 S.Main ,Ste 420
Wichita Ks.67202

20 25 9 Reno, KS

Job Ticket: 31691

DST#: 1

ATTN: Bob Stolzle

Test Start: 2008.08.23 @ 08:37:25

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:

97000 ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 11.17 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	MW 4%M 96%W Rw .06 ohms @ 94 deg.	1.767
55.00	MW 28%M 72%W	0.772
0.00	1860ft. of GIP	0.000

Total Length: 181.00 ft

Total Volume: 2.539 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

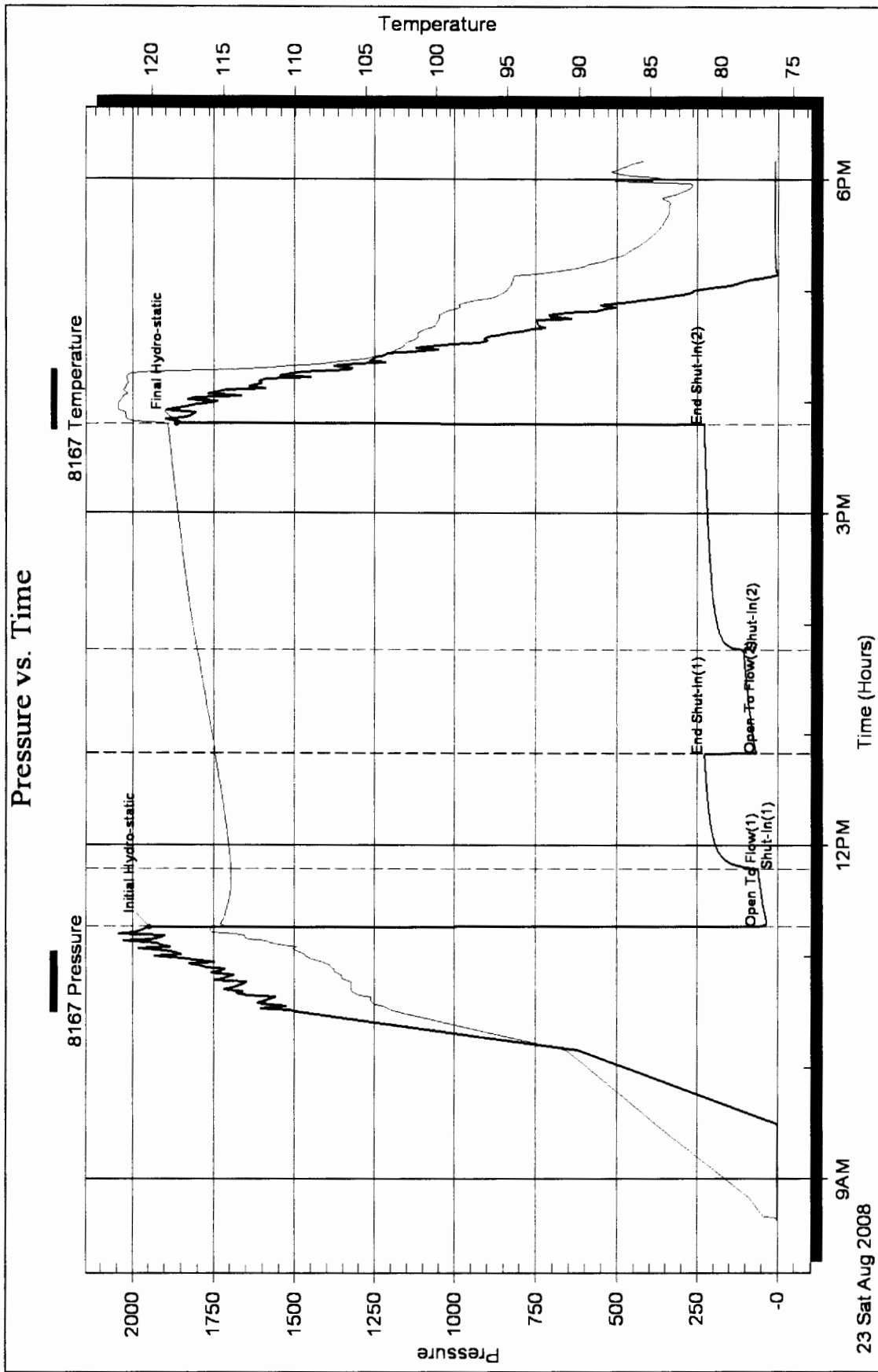
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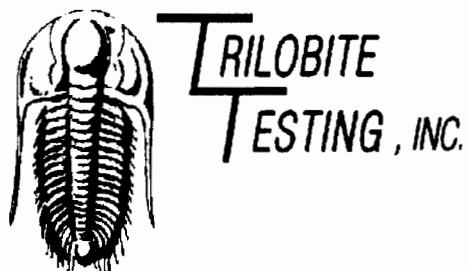
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Lotus Oper Co.LLC**

100 S.Main ,Ste 420
Wichita Ks.67202

ATTN: Bob Stolzle

20 25 9 Reno, KS

Joy Royce#2

Start Date: 2008.08.24 @ 02:46:44

End Date: 2008.08.24 @ 11:16:29

Job Ticket #: 31692 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



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DRILL STEM TEST REPORT

Lotus Oper Co.LLC

100 S.Main ,Ste 420
Wichita Ks.67202

ATTN: Bob Stolzie

Joy Royce#2

20 25 9 Reno, KS

Job Ticket: 31692

DST#: 2

Test Start: 2008.08.24 @ 02:46:44

GENERAL INFORMATION:

Formation: **Miss.Osage**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:25:29

Time Test Ended: 11:16:29

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3903.00 ft (KB) To 3913.00 ft (KB) (TVD)**

Total Depth: 3913.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1708.00 ft (KB)

1700.00 ft (CF)

KB to GRV/CF: 8.00 ft

Serial #: 8167

Inside

Press@RunDepth: 32.21 psig @ 3904.00 ft (KB)

Start Date: 2008.08.24

End Date:

2008.08.24

Capacity: 7000.00 psig

Last Calib.:

2008.08.24

Start Time: 02:46:49

End Time:

11:16:28

Time On Btm: 2008.08.24 @ 05:24:59

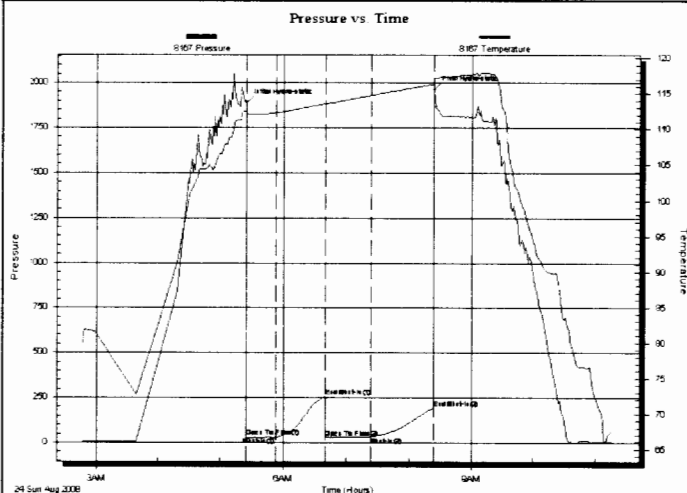
Time Off Btm: 2008.08.24 @ 08:23:43

TEST COMMENT: IF Weak blow (1/4 - 1/2") Decreasing

ISI No blow

FF No blow

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1889.38	112.46	Initial Hydro-static
1	29.09	111.94	Open To Flow (1)
28	29.26	112.30	Shut-In(1)
75	254.87	113.59	End Shut-In(1)
75	28.70	113.55	Open To Flow (2)
118	32.21	114.75	Shut-In(2)
178	191.37	116.33	End Shut-In(2)
179	1960.88	117.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Drig.mud	0.28

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Oper Co.LLC

Joy Royce#2

100 S.Main ,Ste 420
Wichita Ks.67202

20 25 9 Reno, KS

Job Ticket: 31692

DST#: 2

ATTN: Bob Stolzle

Test Start: 2008.08.24 @ 02:46:44

Tool Information

Drill Pipe:	Length: 3911.00 ft	Diameter: 3.80 inches	Volume: 54.86 bbl	Tool Weight:	2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 54.86 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3903.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	10.00 ft				
Tool Length:	33.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3881.00	
Shut In Tool	5.00			3886.00	
Hydraulic tool	5.00			3891.00	
Safety Joint	3.00			3894.00	
Packer	4.00			3898.00	23.00 Bottom Of Top Packer
Packer	5.00			3903.00	
Stubb	1.00			3904.00	
Recorder	0.00	8167	Inside	3904.00	
Recorder	0.00	8357	Inside	3904.00	
Perforations	4.00			3908.00	
Bullnose	5.00			3913.00	10.00 Bottom Packers & Anchor

Total Tool Length: 33.00

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