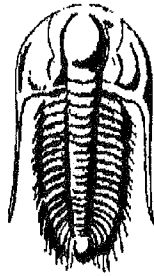


15-151-22354

19-29s-15w

WED



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

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

ATTN: Tim Hellman

19-29s-15w Pratt KS

LEE #1

Start Date: 2010.07.03 @ 20:15:00

End Date: 2010.07.04 @ 04:24:30

Job Ticket #: 36967 DST #: 1

RECEIVED

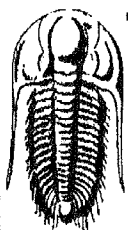
OCT 22 2010

KCC WICHITA

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lotus Operating Co. LLC.

LEE #1

100 S. Main
Suite 420
Wichita, KS 67202-3737
ATTN: Tim Hellman

19-29s-15w Pratt KS

Job Ticket: 36967

DST#: 1

Test Start: 2010.07.03 @ 20:15:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:54:20

Time Test Ended: 04:24:30

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 4736.00 ft (KB) To 4770.00 ft (KB) (TVD)

Total Depth: 4770.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2064.00 ft (KB)

2051.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8648

Inside

Press@RunDepth: 58.30 psig @ 4737.00 ft (KB)

Start Date: 2010.07.03

End Date:

2010.07.04

Start Time: 20:15:05

End Time:

04:24:29

Capacity: 8000.00 psig

Last Calib.: 2010.07.04

Time On Btm: 2010.07.03 @ 22:52:20

Time Off Btm: 2010.07.04 @ 01:55:20

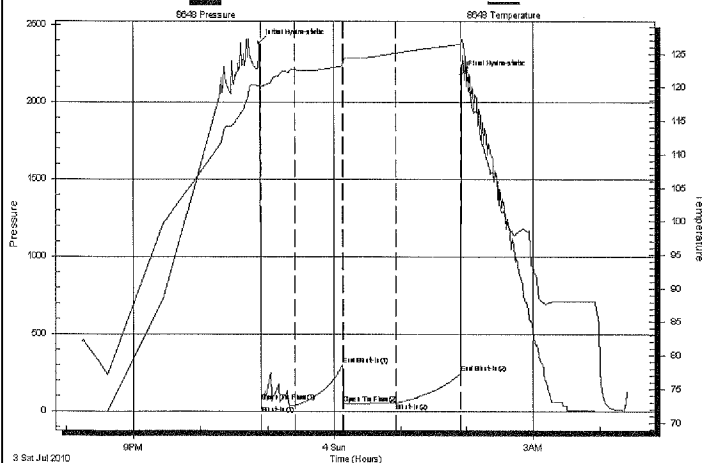
TEST COMMENT: IF: Weak sporadic blow, built to 1" in bucket.

ISI: No blow.

FF: No blow.

FSI: No blow.

Pressure vs. Time



PRESSURE SUMMARY

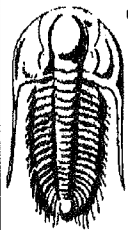
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2383.28	120.16	Initial Hydro-static
2	64.99	120.07	Open To Flow (1)
32	40.08	122.61	Shut-In(1)
76	303.64	123.20	End Shut-In(1)
77	50.01	123.73	Open To Flow (2)
124	58.30	125.12	Shut-In(2)
183	252.25	126.41	End Shut-In(2)
184	2179.70	127.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	OSM 2%o 98% m	0.49

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co. LLC.

LEE #1

100 S. Main
Suite 420
Wichita, KS 67202-3737
ATTN: Tim Hellman

19-29s-15w Pratt KS

Job Ticket: 36967

DST#: 1

Test Start: 2010.07.03 @ 20:15:00

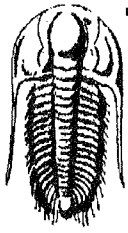
Tool Information

Drill Pipe:	Length: 4623.00 ft	Diameter: 3.80 inches	Volume: 64.85 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 65.45 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4736.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	34.00 ft			
Tool Length:	57.00 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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Shut In Tool	5.00			4718.00	
Hydraulic tool	5.00			4723.00	
Safety Joint	3.00			4726.00	
Packer	5.00			4731.00	23.00 Bottom Of Top Packer"
Packer	5.00			4736.00	
Stubb	1.00			4737.00	
Recorder	0.00	8648	Inside	4737.00	
Recorder	0.00	6799	Outside	4737.00	
Perforations	28.00			4765.00	
Bullnose	5.00			4770.00	34.00 Bottom Packers & Anchor
Total Tool Length:	57.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co. LLC.

LEE #1

100 S. Main
Suite 420
Wichita, KS 67202-3737
ATTN: Tim Hellman

19-29s-15w Pratt KS

Job Ticket: 36967

DST#: 1

Test Start: 2010.07.03 @ 20:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	OSM 2%o 98%m	0.492

Total Length: 100.00 ft Total Volume: 0.492 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

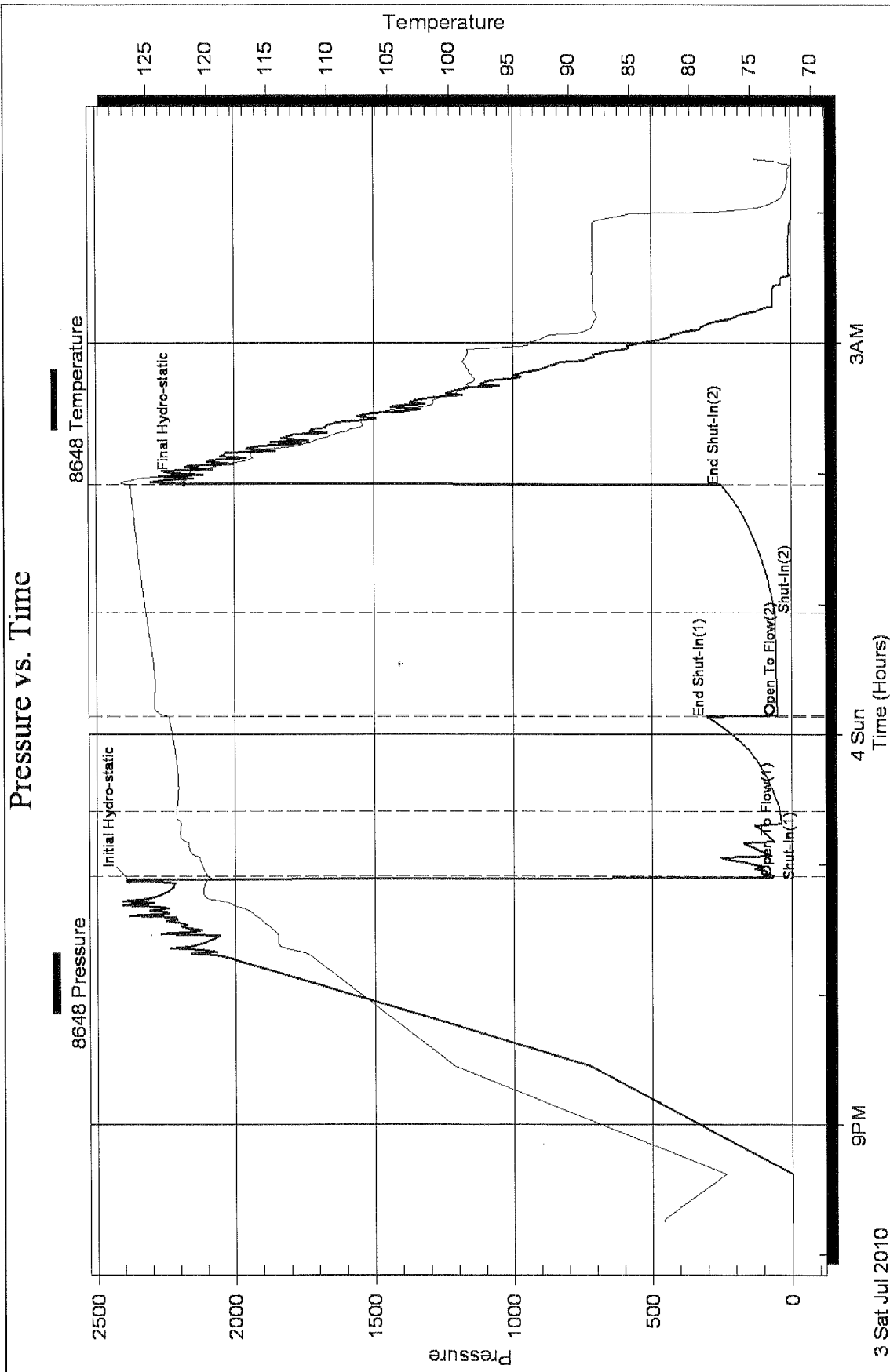
Serial #:

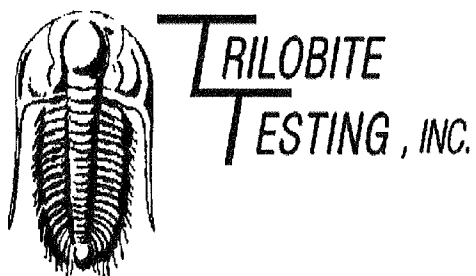
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

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

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

ATTN: Tim Hellman

19-29s-15w Pratt KS

LEE #1

Start Date: 2010.07.04 @ 12:15:00

End Date: 2010.07.04 @ 21:17:30

Job Ticket #: 36968 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lotus Operating Co. LLC.

LEE #1

100 S. Main
Suite 420
Wichita, KS 67202-3737
ATTN: Tim Hellman

19-29s-15w Pratt KS

Job Ticket: 36968

DST#: 2

Test Start: 2010.07.04 @ 12:15:00

GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:29:20

Time Test Ended: 21:17:30

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: 4734.00 ft (KB) To 4791.00 ft (KB) (TVD)

Total Depth: 4791.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2064.00 ft (KB)

2051.00 ft (CF)

KB to GR/CF: 13.00 ft

Serial #: 8648

Inside

Press@RunDepth: 48.66 psig @ 4735.00 ft (KB)

Start Date: 2010.07.04

End Date:

2010.07.04

Capacity: 8000.00 psig

Last Calib.: 2010.07.04

Start Time: 12:15:05

End Time:

21:17:30

Time On Btm: 2010.07.04 @ 14:28:30

Time Off Btm: 2010.07.04 @ 18:33:09

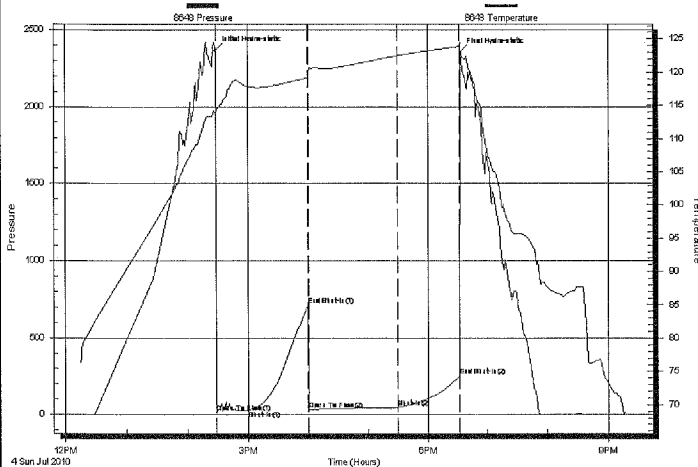
TEST COMMENT: IF: Weak blow, built to 1.25" in bucket.

IS: No blow.

FF: No blow.

FSI: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2366.04	113.71	Initial Hydro-static
1	16.90	113.80	Open To Flow (1)
32	28.78	117.84	Shut-In(1)
92	709.72	119.17	End Shut-In(1)
92	34.34	119.59	Open To Flow (2)
182	48.66	122.49	Shut-In(2)
244	251.90	123.84	End Shut-In(2)
245	2352.32	123.62	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
80.00	OSM 3%o 97% m	0.39

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co. LLC.

LEE #1

100 S. Main
Suite 420
Wichita, KS 67202-3737
ATTN: Tim Hellman

19-29s-15w Pratt KS

Job Ticket: 36968

DST#: 2

Test Start: 2010.07.04 @ 12:15:00

Tool Information

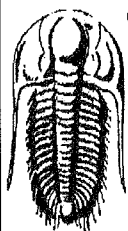
Drill Pipe:	Length: 4595.00 ft	Diameter: 3.80 inches	Volume: 64.46 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 121.00 ft	Diameter: 2.25 inches	Volume: 0.60 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	65.06 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	70000.00 lb
Depth to Top Packer:	4734.00 ft			Final	70000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	57.00 ft				
Tool Length:	80.00 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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Shut In Tool	5.00			4716.00	
Hydraulic tool	5.00			4721.00	
Safety Joint	3.00			4724.00	
Packer	5.00			4729.00	23.00 Bottom Of Top Packer
Packer	5.00			4734.00	
Stubb	1.00			4735.00	
Recorder	0.00	8648	Inside	4735.00	
Recorder	0.00	6799	Outside	4735.00	
Perforations	18.00			4753.00	
Blank Spacing	33.00			4786.00	
Bullnose	5.00			4791.00	57.00 Bottom Packers & Anchor

Total Tool Length: 80.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co. LLC.

LEE #1

100 S. Main
Suite 420
Wichita, KS 67202-3737
ATTN: Tim Hellman

19-29s-15w Pratt KS

Job Ticket: 36968

DST#: 2

Test Start: 2010.07.04 @ 12:15:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 44.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
80.00	OSM 3%o 97%m	0.393

Total Length: 80.00 ft Total Volume: 0.393 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

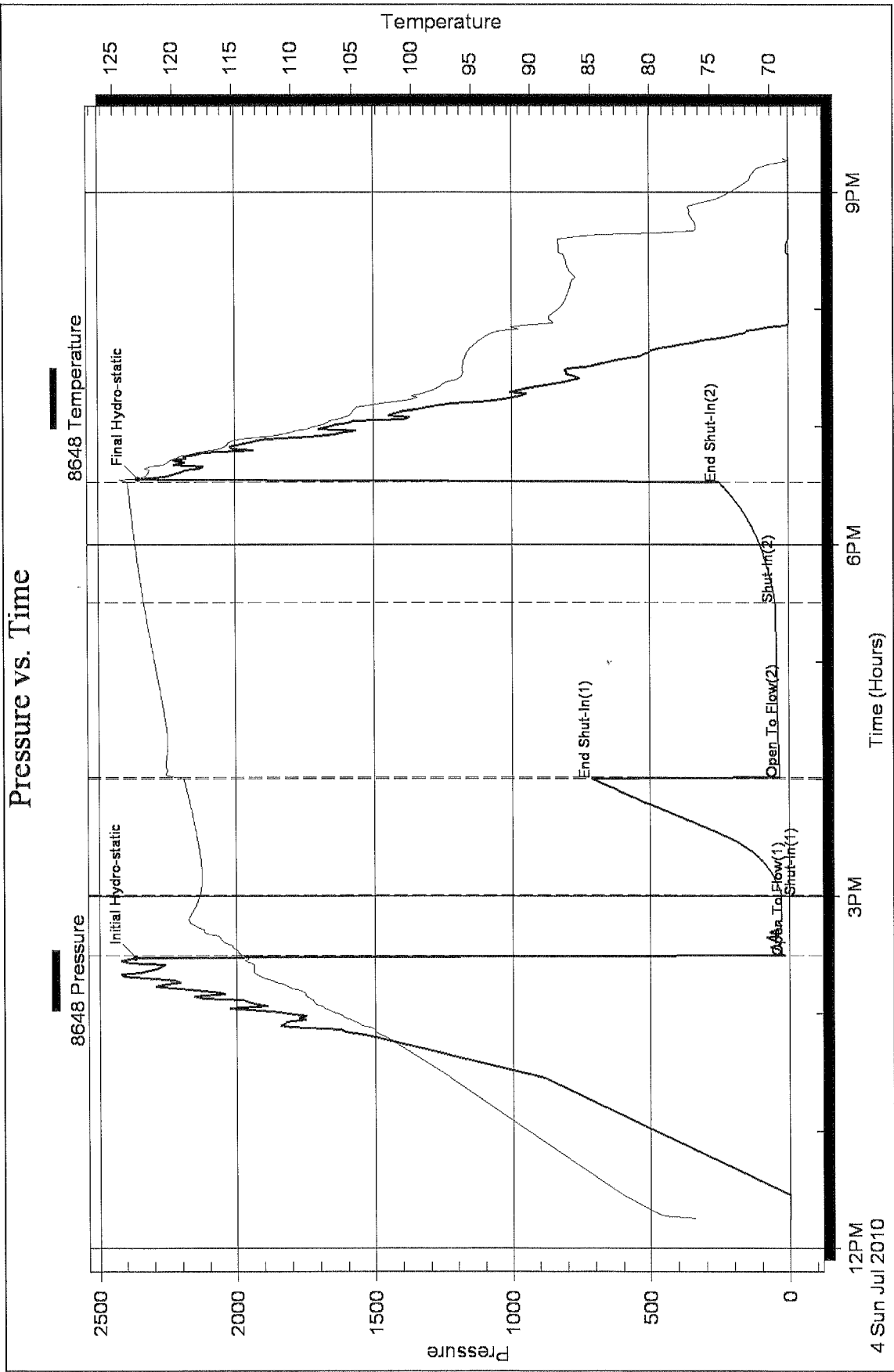
Serial #:

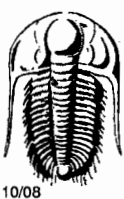
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUL 14 2010

Test Ticket

NO. 36967 14509

Well Name & No. LEE #1 Test No. 1 Date 3 JULY 2010
Company LOTUS OPERATING Co., LLC Elevation 2064 KB 2051 GL
Address 100 S. MAIN, SUITE 420, WICHITA, KANSAS, 67202-3737
Co. Rep / Geo. TIM HELLMAN 316-734-8380 Rig DUKE DRILG. Co., RIG #9
Location: Sec. 19 Twp. 29S Rge. 15W Co. FRAT State KANSAS

Interval Tested 4736-4770 Zone Tested MISSISSIPPIAN
Anchor Length 34 Drill Pipe Run 4623' Mud Wt. 9.2
Top Packer Depth 4731 Drill Collars Run 121' Vis 44
Bottom Packer Depth 4736 Wt. Pipe Run NONE WL 8.8
Total Depth 4770 Chlorides 3000 ppm System LCM 4#

Blow Description IF: WEAK SPORADIC BLOW, BUILT TO 1" IN BUCKET.
ISI: NO BLOW
FP: NO BLOW
FSE: NO BLOW

Rec	Feet of	%gas	%oil	%water	%mud
<u>100'</u>	<u>0.5M</u>	<u>2</u>	<u>2</u>	<u>98</u>	<u>98</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100' BHT 126.4°F Gravity NA API RW NA @ NA F Chlorides NA ppm

(A) Initial Hydrostatic	<u>2215</u>	☒ Test	<u>1,225.00</u>	T-On Location	<u>1915</u>
(B) First Initial Flow	<u>65</u>	☐ Jars		T-Started	<u>2015</u>
(C) First Final Flow	<u>40</u>	☒ Safety Joint	<u>75.00</u>	T-Open	<u>2254</u>
(D) Initial Shut-In	<u>304</u>	☒ Circ Sub	<u>NO CHARGE</u>	T-Pulled	<u>0155</u>
(E) Second Initial Flow	<u>50</u>	☐ Hourly Standby		T-Out	<u>0415</u>
(F) Second Final Flow	<u>58</u>	☒ Mileage	<u>46 R.T. = 57.50</u>	Comments	<u>NO BLOW</u>
(G) Final Shut-In	<u>252</u>	☐ Sampler			<u>MP 0155</u>
(H) Final Hydrostatic	<u>2180</u>	☐ Straddle			

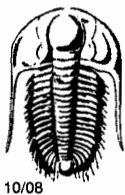
Initial Open	<u>30</u>	☐ Shale Packer		☐ Ruined Shale Packer	
Initial Shut-In	<u>45</u>	☐ Extra Packer		☐ Ruined Packer	
Final Flow	<u>45</u>	☐ Extra Recorder		☐ Extra Copies	
Final Shut-In	<u>45</u>	☐ Day Standby		Sub Total	<u>0</u>
		☐ Accessibility		Total	<u>1357.50</u>

Approved By [Signature] Sub Total \$1,357.50 Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

THANKS!

785-650-7709



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
JUL 14 2010

Test Ticket

NO. 36968

Well Name & No. LEE #1 Test No. 2 Date 4 JULY 2010
Company LOTUS OPERATING CO., LLC Elevation 2064 KB 2051 GL
Address 100 S. MAIN STREET 420, WICHITA, KANSAS 67202-3737
Co. Rep / Geo. Tom Hillman 316-734-8380 Rig DUKE DRILL CO., RIG #9
Location: Sec. 19 Twp. 29S Rge. 15W Co. PRATT State KANSAS

Interval Tested 4734-4791 Zone Tested MISSISSIPPIAN
Anchor Length 57 Drill Pipe Run 4595 Mud Wt. 9.2
Top Packer Depth 4729 Drill Collars Run 121' Vis 44
Bottom Packer Depth 4734 Wt. Pipe Run NONE WL 8.8
Total Depth 4791 Chlorides 3000 ppm System LCM 4"

Blow Description IF: WEAK BLOW, BUILT TO 1 1/4" IN BUCKET.
FSI: NO BLOW.
FF: NO BLOW.
FSI: NO BLOW.

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>OSM</u>	<u>3</u>		<u>97</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 80' BHT 123.8°F Gravity NA API RW NA @ NA °F Chlorides NA ppm

(A) Initial Hydrostatic	<u>2366</u>	☒ Test	<u>1225.00</u>	T-On Location	<u>1145</u>
(B) First Initial Flow	<u>17</u>	☐ Jars		T-Started	<u>1215</u>
(C) First Final Flow	<u>29</u>	☒ Safety Joint	<u>75.00</u>	T-Open	<u>1429</u>
(D) Initial Shut-In	<u>710</u>	☒ Circ Sub	<u>NO CHARGE</u>	T-Pulled	<u>1831</u>
(E) Second Initial Flow	<u>34</u>	☐ Hourly Standby		T-Out	<u>2115</u>
(F) Second Final Flow	<u>49</u>	☒ Mileage	<u>46 R.T. = 57.50</u>	Comments	
(G) Final Shut-In	<u>252</u>	☐ Sampler			
(H) Final Hydrostatic	<u>2352</u>	☐ Straddle			

Initial Open	<u>30</u>	☐ Shale Packer	☐ Ruined Shale Packer
Initial Shut-In	<u>60</u>	☐ Extra Packer	☐ Ruined Packer
Final Flow	<u>90</u>	☐ Extra Recorder	☐ Extra Copies
Final Shut-In	<u>60</u>	☐ Day Standby	Sub Total <u>0</u>
		☐ Accessibility	Total <u>1357.50</u>
		Sub Total <u>1357.50</u>	

Approved By [Signature]

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.