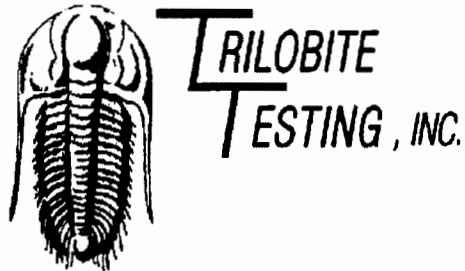


15-007-22939

20-34s-11w



DRILL STEM TEST REPORT

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

100 S. Main
Suite 420
Wichita, KS 67202

ATTN: Tim Hellman

20-34s-11w-Barber-KS

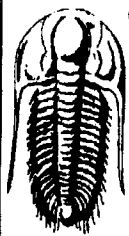
Hill #1

Start Date: 2005.11.24 @ 16:02:09

End Date: 2005.11.24 @ 23:11:54

Job Ticket #: 21929 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Lotus Operating Co., LLC

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

Hill #1

20-34s-11w-Barber-KS

Job Ticket: 21929

DST#: 1

Test Start: 2005.11.24 @ 16:02:09

GENERAL INFORMATION:

Formation: **Pawnee**

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

Time Tool Opened: 18:15:39

Time Test Ended: 23:11:54

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **30**

Interval: **4570.00 ft (KB) To 4610.00 ft (KB) (TVD)**

Total Depth: **4610.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1393.00 ft (KB)**

1382.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6668**

Inside

Press@RunDepth: **22.93 psig @ 4571.00 ft (KB)**

Start Date: **2005.11.24**

End Date:

2005.11.24

Start Time: **16:02:10**

End Time:

23:11:54

Capacity: **7000.00 psig**

Last Calib.: **2005.11.24**

Time On Btm: **2005.11.24 @ 18:15:09**

Time Off Btm: **2005.11.24 @ 20:51:54**

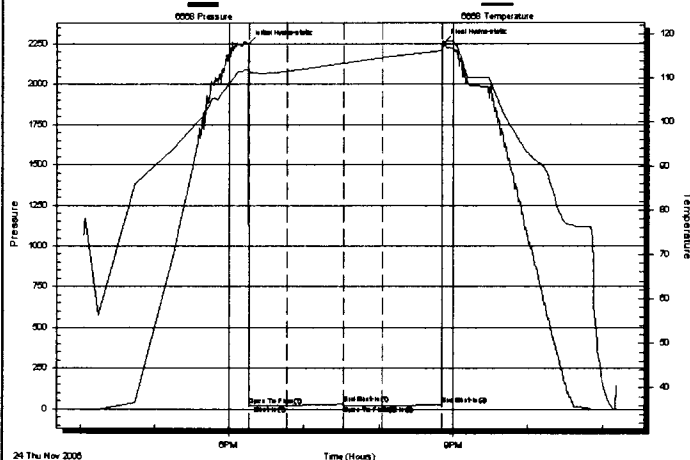
TEST COMMENT: **IF: Weak surface blow, died after 23 minutes.**

IS: No blow back.

FF: No blow.

FS: No blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2247.32	111.94	Initial Hydro-static
1	22.46	111.56	Open To Flow (1)
31	22.12	111.66	Shut-In(1)
76	32.50	113.51	End Shut-In(1)
77	23.03	113.54	Open To Flow (2)
108	22.93	114.73	Shut-In(2)
156	27.34	116.33	End Shut-In(2)
157	2255.20	117.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
6.00	Drilling Mud 100% m	0.08
0.00	0	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21929

DST#: 1

Test Start: 2005.11.24 @ 16:02:09

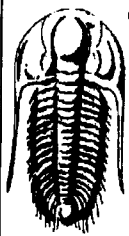
Tool Information

Drill Pipe:	Length: 4574.00 ft	Diameter: 3.80 inches	Volume: 64.16 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 66000.00 lb
		Total Volume: 64.16 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4570.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	62.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4553.00	
Hydraulic tool	5.00			4558.00	
Safety Joint	2.00			4560.00	
Packer	5.00			4565.00	22.00 Bottom Of Top Packer
Packer	5.00			4570.00	
Stubb	1.00			4571.00	
Recorder	0.00	6668	Inside	4571.00	
Perforations	36.00			4607.00	
Recorder	0.00	13266	Outside	4607.00	
Bullnose	3.00			4610.00	40.00 Bottom Packers & Anchor
Total Tool Length:	62.00				



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21929

DST#: 1

Test Start: 2005.11.24 @ 16:02:09

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 10.37 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.04 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
6.00	Drilling Mud 100% _m	0.084
0.00	0	0.000

Total Length: 6.00 ft

Total Volume: 0.084 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

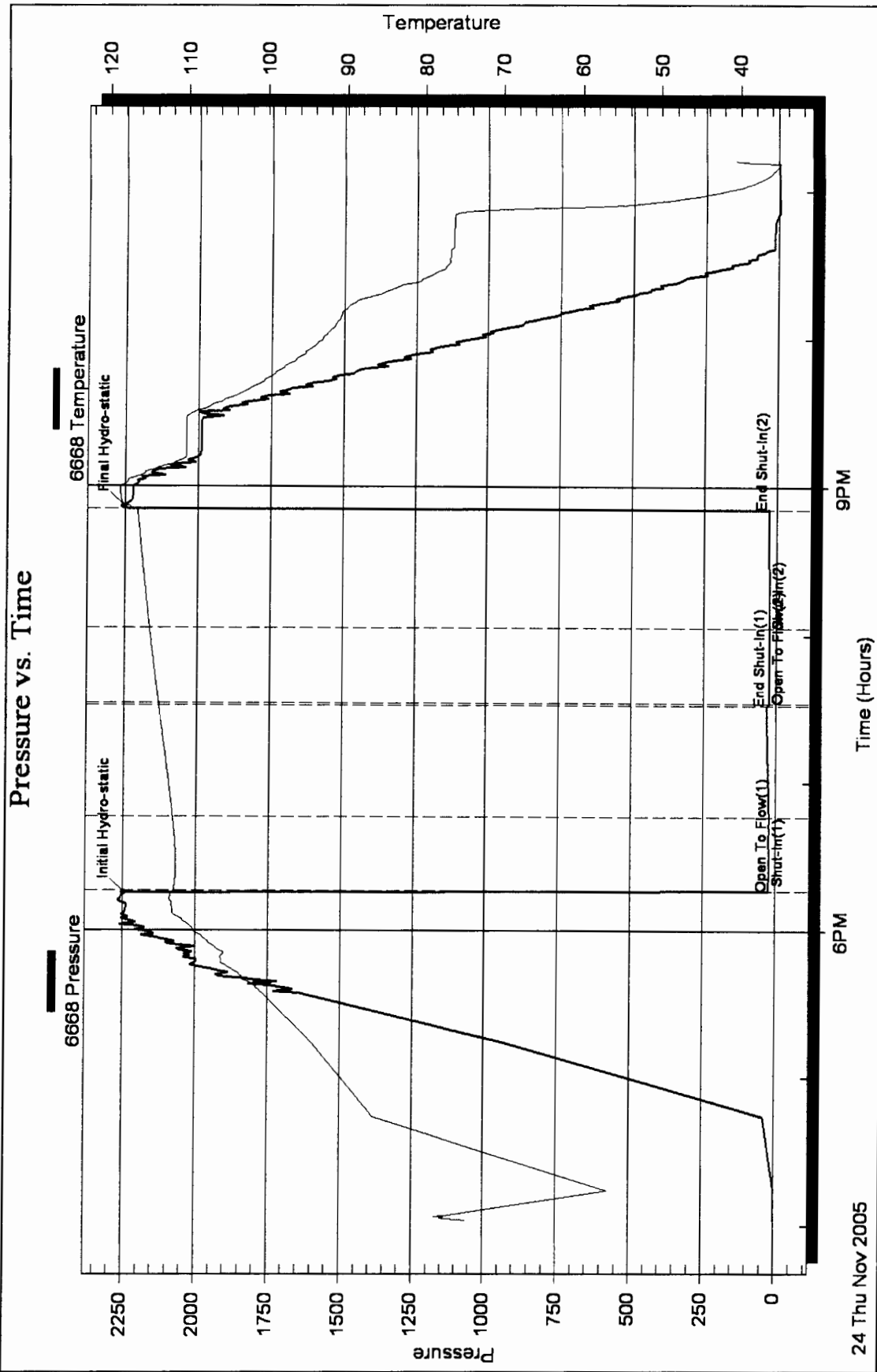
Serial #:

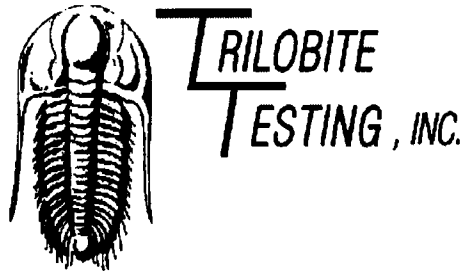
Laboratory Name:

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

ATTN: Tim Hellman

20-34s-11w-Barber-KS

Hill #1

Start Date: 2005.11.25 @ 10:35:18

End Date: 2005.11.25 @ 18:11:03

Job Ticket #: 21930 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21930

DST#: 2

Test Start: 2005.11.25 @ 10:35:18

GENERAL INFORMATION:

Formation: **Cherokee Sand**

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

Time Tool Opened: 13:05:48

Time Test Ended: 18:11:03

Test Type: **Conventional Bottom Hole**

Tester: **Jake Fahrenbruch**

Unit No: **30**

Interval: **4644.00 ft (KB) To 4672.00 ft (KB) (TVD)**

Total Depth: **4672.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1393.00 ft (KB)**

1382.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: **6668**

Inside

Press@RunDepth: **19.12 psig @ 4645.00 ft (KB)**

Start Date: **2005.11.25**

End Date:

2005.11.25

Start Time: **10:35:19**

End Time:

18:11:03

Capacity: **7000.00 psig**

Last Calib.: **2005.11.25**

Time On Btm: **2005.11.25 @ 13:04:48**

Time Off Btm: **2005.11.25 @ 16:08:03**

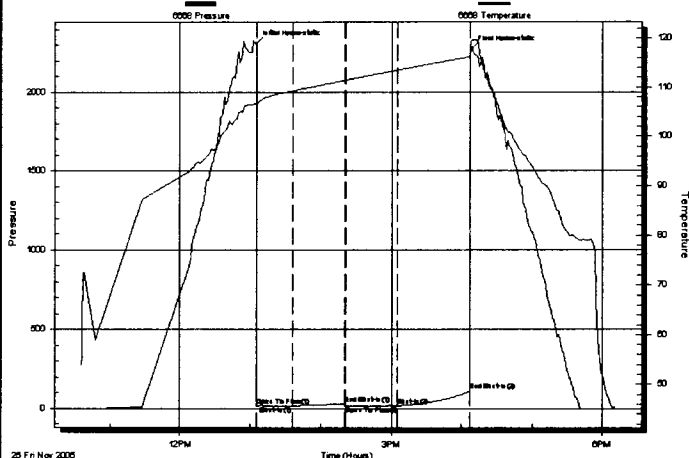
TEST COMMENT: IF: Weak blow @ 1".

IS: Bled off, no blow back.

FS: Weak blow @ .5", died to surface blow.

FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2308.93	106.71	Initial Hydro-static
1	18.22	106.30	Open To Flow (1)
31	17.91	109.28	Shut-In(1)
76	30.82	111.44	End Shut-In(1)
76	15.48	111.45	Open To Flow (2)
121	19.12	113.51	Shut-In(2)
183	113.87	116.22	End Shut-In(2)
184	2269.57	119.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig Mud 100%rn	0.21
0.00	150' GIP	0.00
0.00	0	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21930

DST#: 2

Test Start: 2005.11.25 @ 10:35:18

Tool Information

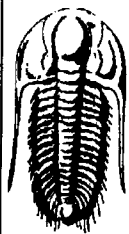
Drill Pipe:	Length: 4635.00 ft	Diameter: 3.80 inches	Volume: 65.02 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
		Total Volume:	65.02 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4644.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4627.00	
Hydraulic tool	5.00			4632.00	
Safety Joint	2.00			4634.00	
Packer	5.00			4639.00	22.00 Bottom Of Top Packer
Packer	5.00			4644.00	
Stubb	1.00			4645.00	
Recorder	0.00	6668	Inside	4645.00	
Perforations	24.00			4669.00	
Recorder	0.00	13266	Outside	4669.00	
Bullnose	3.00			4672.00	28.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21930

DST#: 2

Test Start: 2005.11.25 @ 10:35:18

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: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.04 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drig Mud 100%rn	0.210
0.00	150' GIP	0.000
0.00	0	0.000

Total Length: 15.00 ft

Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

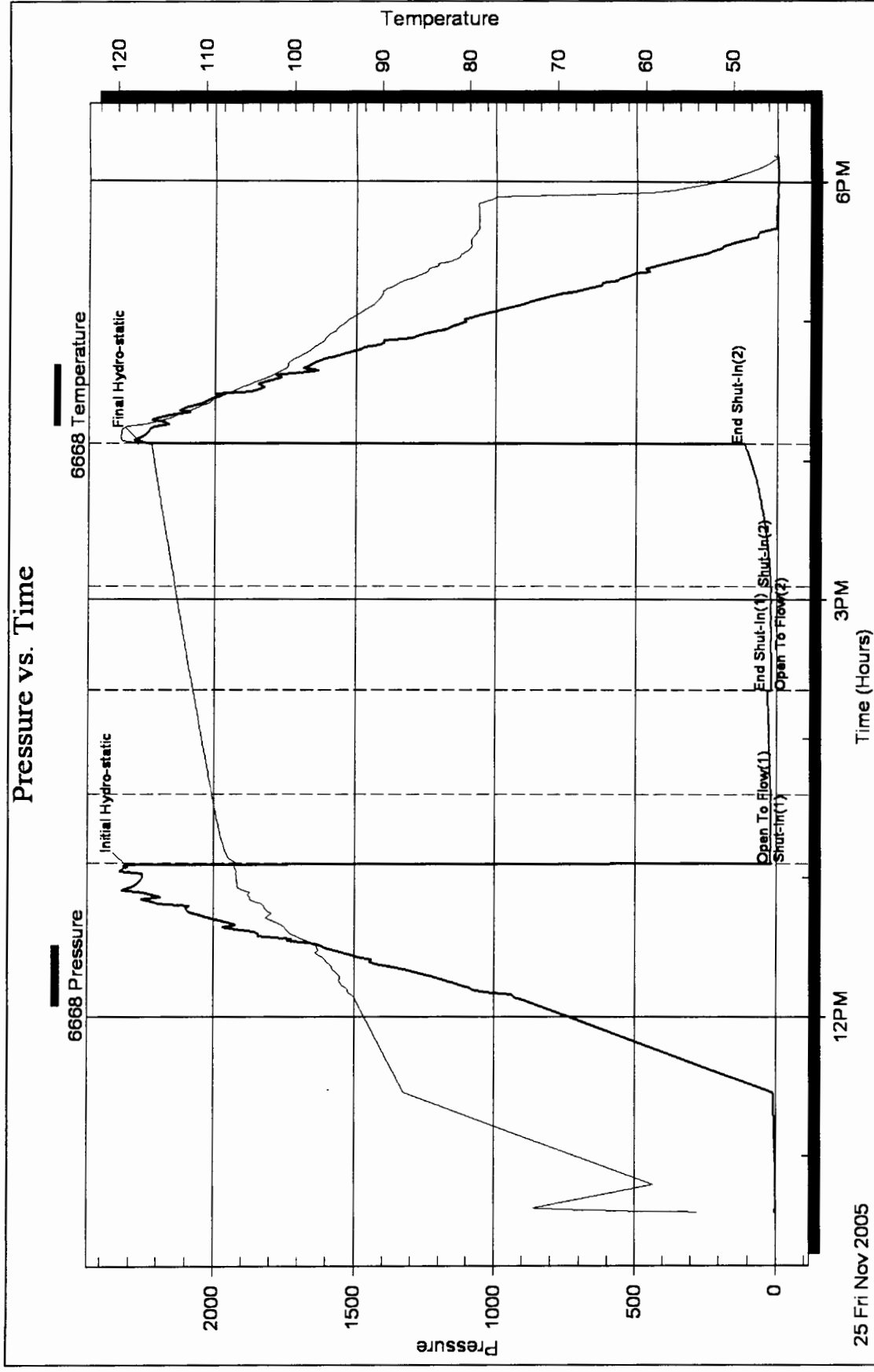
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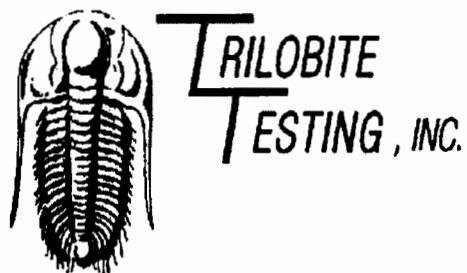
Inside

Lotus Operating Co., LLC

20-34s-11w-Barber-KS

DST Test Number: 2





DRILL STEM TEST REPORT

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

100 S. Main
Suite 420
Wichita, KS 67202

ATTN: Tim Hellman

20-34s-11w-Barber-KS

Hill #1

Start Date: 2005.11.26 @ 03:49:07

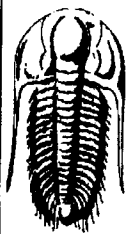
End Date: 2005.11.26 @ 10:25:07

Job Ticket #: 21931 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS
Job Ticket: 21931 **DST#: 3**
Test Start: 2005.11.26 @ 03:49:07

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:24:22

Time Test Ended: 10:25:07

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 30

Interval: **4690.00 ft (KB) To 4726.00 ft (KB) (TVD)**

Reference Elevations: 1393.00 ft (KB)

Total Depth: 4726.00 ft (KB) (TVD)

1382.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 11.00 ft

Serial #: 6668

Inside

Press@RunDepth: psig @ 4691.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2005.11.26

End Date: 2005.11.26

Last Calib.: 2005.11.26

Start Time: 03:49:08

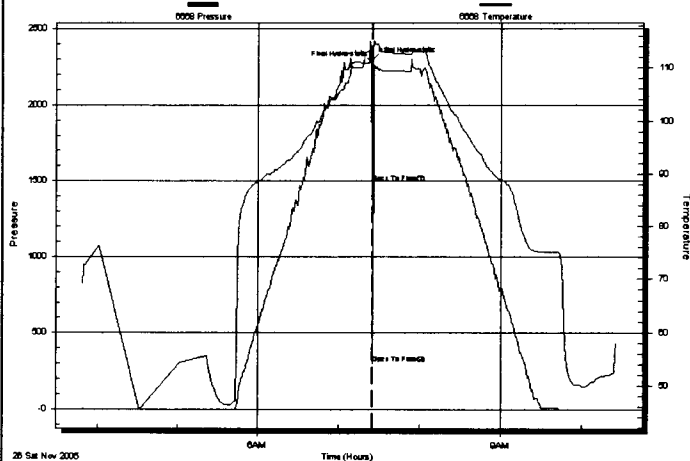
End Time: 10:25:07

Time On Btm: 2005.11.26 @ 07:23:37

Time Off Btm: 2005.11.26 @ 07:25:37

TEST COMMENT: Tool chased 15' to bottom. Tool opened twice while chasing bottom.
Ran out of room to set slips. Pulled test. Took 30,000 lbs to pull loose.
Missrun.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2289.21	113.84	Initial Hydro-static
1	1491.31	113.56	Open To Flow (1)
2	302.20	113.33	Open To Flow (2)
2	2261.47	115.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Drilling Mud 100% m	0.42
0.00	0	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 Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21931

DST#: 3

Test Start: 2005.11.26 @ 03:49:07

Tool Information

Drill Pipe:	Length: 4668.00 ft	Diameter: 3.80 inches	Volume: 65.48 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume: 65.48 bbl		Tool Chased 15.00 ft
Drill Pipe Above KB:	0.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4690.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	58.00 ft			
Number of Packers:	1	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4673.00	
Hydraulic tool	5.00			4678.00	
Safety Joint	2.00			4680.00	
Packer	5.00			4685.00	22.00 Bottom Of Top Packer
Packer	5.00			4690.00	
Stubb	1.00			4691.00	
Recorder	0.00	6668	Inside	4691.00	
Perforations	32.00			4723.00	
Recorder	0.00	13266	Outside	4723.00	
Bullnose	3.00			4726.00	36.00 Bottom Packers & Anchor
Total Tool Length:	58.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21931

DST#: 3

Test Start: 2005.11.26 @ 03:49:07

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 38.00 sec/qt

Water Loss: 10.36 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.04 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Drilling Mud 100% _m	0.421
0.00	0	0.000

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

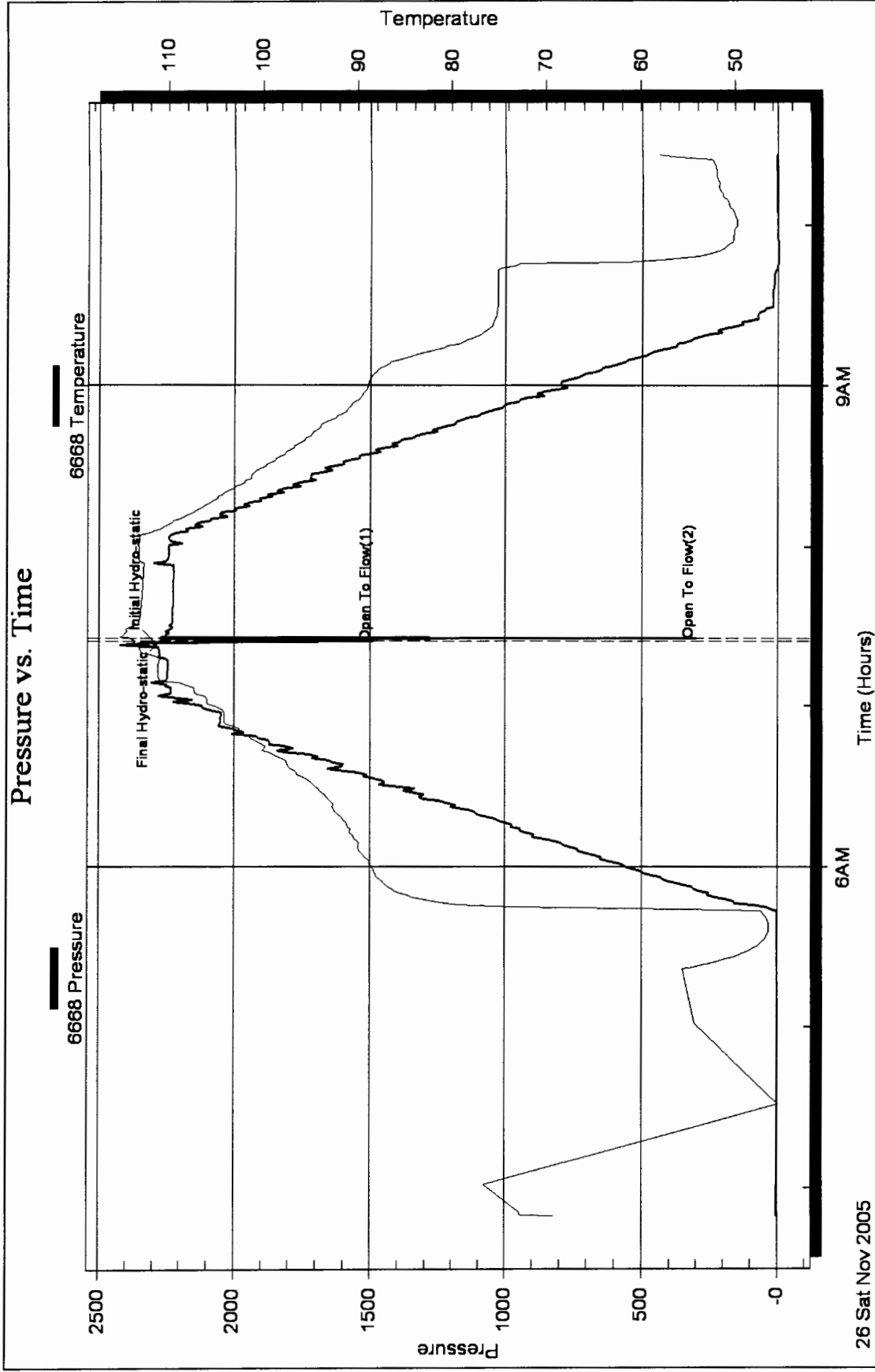
Num Gas Bombs: 0

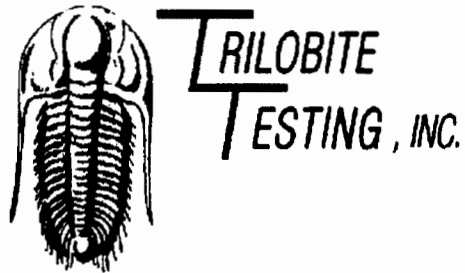
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

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

100 S. Main
Suite 420
Wichita, KS 67202

ATTN: Tim Hellman

20-34s-11w-Barber-KS

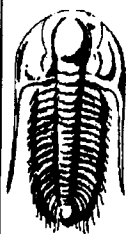
Hill #1

Start Date: 2005.11.26 @ 20:24:36

End Date: 2005.11.27 @ 07:04:36

Job Ticket #: 21932 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Lotus Operating Co., LLC

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

Hill #1

20-34s-11w-Barber-KS

Job Ticket: 21932

DST#: 4

Test Start: 2005.11.26 @ 20:24:36

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:05:36

Time Test Ended: 07:04:36

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 30

Interval: **4690.00 ft (KB) To 4726.00 ft (KB) (TVD)**

Total Depth: 4726.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1393.00 ft (KB)

1382.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: **6668**

Inside

Press@RunDepth: 73.20 psig @ 4691.00 ft (KB)

Start Date: 2005.11.26

End Date:

2005.11.27

Start Time: 20:24:37

End Time:

07:04:36

Capacity: 7000.00 psig

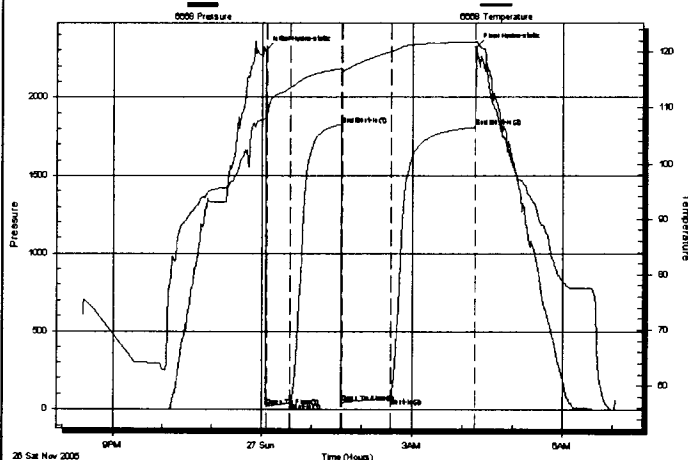
Last Calib.: 2005.11.27

Time On Btm: 2005.11.27 @ 00:04:06

Time Off Btm: 2005.11.27 @ 04:15:51

TEST COMMENT: IF: Fair to strong blow, BOB 1 minute.
IS: Bled off, Weak blow back @ .5".
FF: Fair to strong blow, BOB 30 seconds.
FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2300.14	108.16	Initial Hydro-static
2	23.00	108.49	Open To Flow (1)
31	41.47	113.66	Shut-In(1)
91	1826.47	117.08	End Shut-In(1)
92	42.70	116.60	Open To Flow (2)
151	73.20	120.07	Shut-In(2)
251	1809.70	121.84	End Shut-In(2)
252	2317.67	121.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	SLOCM 6%o 94%m	1.26
30.00	SLOCM 5%o 45%w 50%m	0.42
0.00	2400' GIP	0.00
0.00	RWF=22ohm@65degF=35,000 ppm/chl	0.00
0.00	0	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 Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21932 DST#: 4

Test Start: 2005.11.26 @ 20:24:36

Tool Information

Drill Pipe:	Length: 4698.00 ft	Diameter: 3.80 inches	Volume: 65.90 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			Total Volume: 65.90 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	35.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4690.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Shut In Tool	5.00			4668.00	
Hydraulic tool	5.00			4673.00	
Jars	5.00			4678.00	
Safety Joint	2.00			4680.00	
Packer	5.00			4685.00	27.00 Bottom Of Top Packer
Packer	5.00			4690.00	
Stubb	1.00			4691.00	
Recorder	0.00	6668	Inside	4691.00	
Perforations	32.00			4723.00	
Recorder	0.00	13266	Outside	4723.00	
Bullnose	3.00			4726.00	36.00 Bottom Packers & Anchor

Total Tool Length: 63.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co., LLC

Hill #1

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

20-34s-11w-Barber-KS

Job Ticket: 21932

DST#: 4

Test Start: 2005.11.26 @ 20:24:36

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 43.00 sec/qt

Water Loss: 10.36 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 0.04 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
90.00	SLOCM 6%o 94%m	1.262
30.00	SLOCM 5%o 45%w 50%m	0.421
0.00	2400' GIP	0.000
0.00	RW= 22ohm@65degF=35,000 ppm/chl	0.000
0.00	0	0.000

Total Length: 120.00 ft

Total Volume: 1.683 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

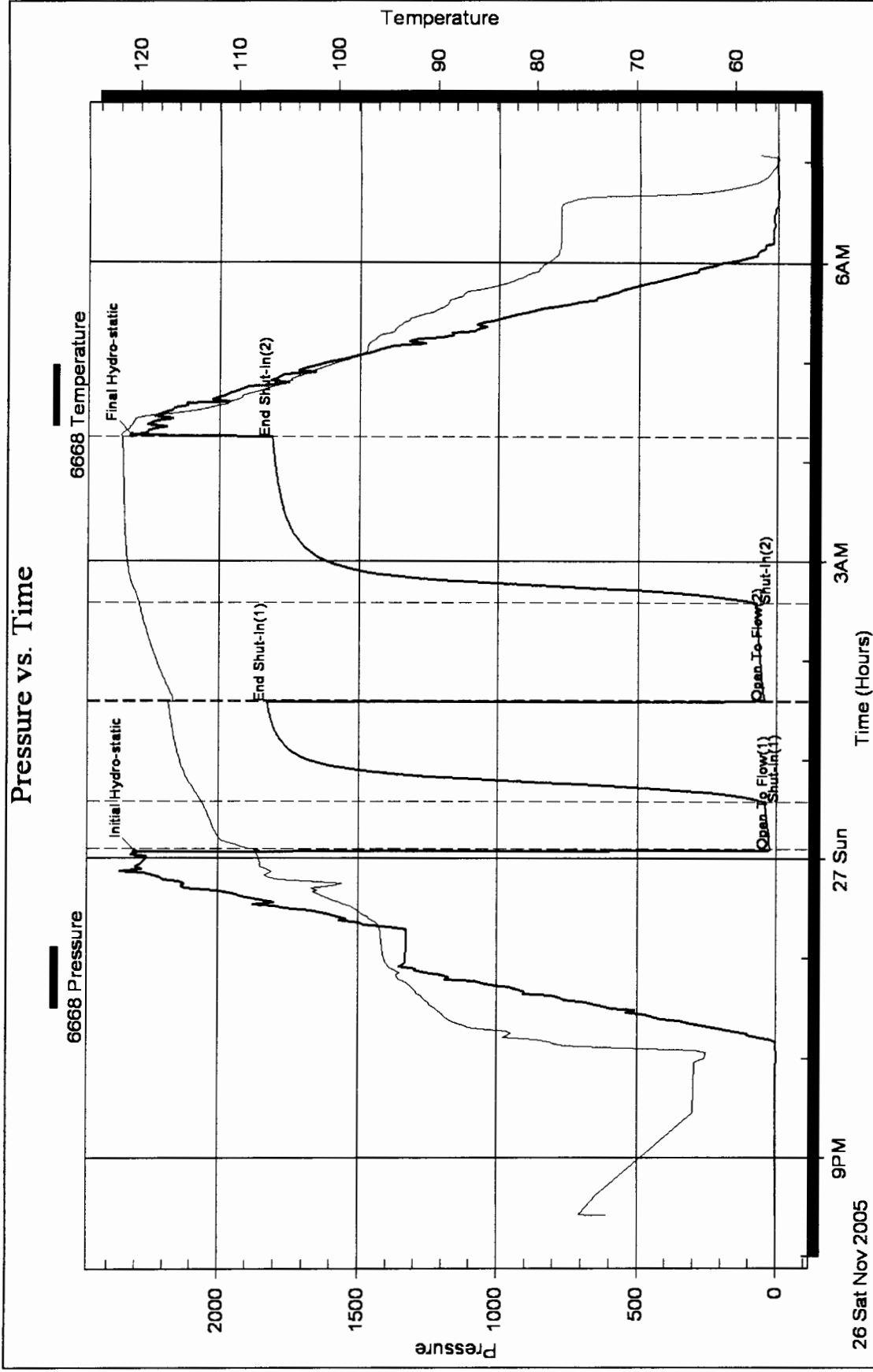
Serial #: 6668

Inside

Lotus Operating Co., LLC

20-34s-11w-Barber-KS

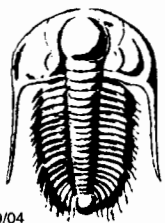
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 21932

Printed: 2005.12.02 @ 11:06:18 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8154
No 21929

Test Ticket

Well Name & No. Hill #1 Test No. 1 Date 11-25-05
 Company Lotus Operating Company, LLC Zone Tested Pawnee
 Address 1005 Main, Suite 420, Wichita, KS 67202 Elevation 1393 KB 1382 GL
 Co. Rep / Geo. Tim Hellman Cont. Duke Dily Rig #1 Est. Ft. of Pay — Por. — %
 Location: Sec. 20 Twp. 34 S Rge. 11 W Co. Barber State Kansas
 No. of Copies — Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4570-4610 Initial Str Wt./Lbs. 45000 Unseated Str Wt./Lbs. 45000
 Anchor Length 40 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 66000
 Top Packer Depth 4565 Tool Weight 2100
 Bottom Packer Depth 4570 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES
 Total Depth 4610 Wt. Pipe Run NONE Drill Collar Run NONE
 Mud Wt. 9.4 LCM 3rd Vis. 43 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 4574
 Blow Description FF: Weak surface blow, died after 23 minutes.

ISI: No blow back.

FF: No blow

FSI: No blowback.

Recovery - Total Feet 6 GIP NONE Ft. in DC — Ft. in DP 6
 Rec. 6 Feet of Dily Mud %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. Feet of %gas %oil %water %mud
 BHT NA °F Gravity NA °API D @ — °F Corrected Gravity — °API
 RW NA @ — °F Chlorides — ppm Recovery — Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	Recorder No.	Test
(B) First Initial Flow Pressure	2247 PSI	22 PSI	(depth)	Jars
(C) First Final Flow Pressure	22 PSI	22 PSI	Recorder No.	Safety Jt.
(D) Initial Shut-In Pressure	33 PSI	33 PSI	(depth)	Circ Sub <u>NC</u>
(E) Second Initial Flow Pressure	23 PSI	23 PSI	Recorder No.	Sampler
(F) Second Final Flow Pressure	23 PSI	23 PSI	(depth)	Straddle
(G) Final Shut-In Pressure	27 PSI	27 PSI	Initial Opening	Ext. Packer
(Q) Final Hydrostatic Mud	2255 PSI	2255 PSI	Initial Shut-In	Shale Packer
			Final Flow	Ruined Packer
			Final Shut-In	Mileage <u>100</u>
			T-On Location	Sub Total: <u>1250</u>
			T-Started	Std. By
			T-Open	Other
			T-Pulled	Total:
			T-Out	

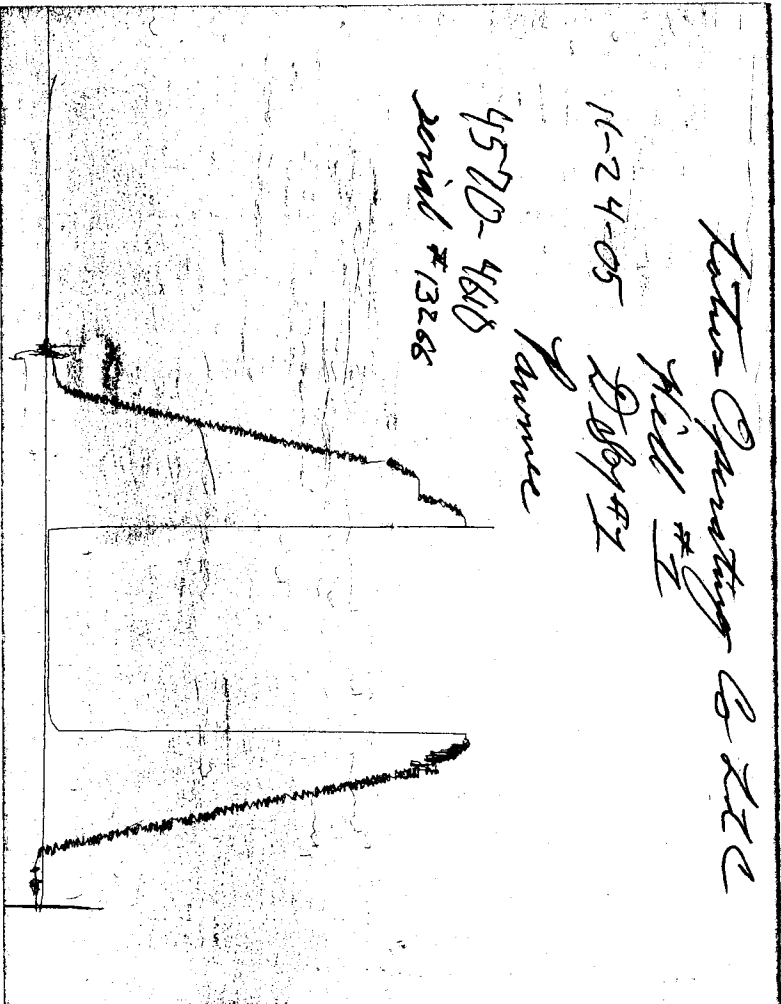
Approved By —

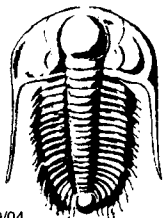
Our Representative —

Thank you

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21930

Test Ticket

Well Name & No. Hill #1 Test No. 2 Date 11-25-05
 Company Lotus Operating Co, LLC Zone Tested Cherokee Sand
 Address 100 S. Main Ste 420, Wichita, KS 67202 Elevation 1393 KB 1382 GL
 Co. Rep / Geo. Tim Hellman Cont. Duke Dlg Co Rig #1 Est. Ft. of Pay Por. %
 Location: Sec. 20 Twp. 34S Rge. 11W Co. Barber State KS
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4644-4672 Initial Str Wt./Lbs. 52000 Unseated Str Wt./Lbs. 52000
 Anchor Length 28 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 56000
 Top Packer Depth 4639 Tool Weight 2100
 Bottom Packer Depth 4644 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES
 Total Depth 4672 Wt. Pipe Run NONE Drill Collar Run NONE
 Mud Wt. 9.4 LCM 3# Vis. 43 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 4635

Blow Description IF: Weak blow @ 1".
PSI: Bled off, no blowback.
FF: Weak blow @ 1/2" died to surface.
PSI: Bled off, no blowback

Recovery - Total Feet 15 GIP 150 Ft. in DC Ft. in DP 15
 Rec. 15 Feet of Dry Mud %gas %oil %water 110 %mud
 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
 BHT NA 116 °F Gravity NA °API D @ °F Corrected Gravity °API
 RW NA @ °F Chlorides ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	2309	PSI	Recorder No.	6668	Test	★ 1100
(B) First Initial Flow Pressure			18	PSI	(depth)	4645	Jars	
(C) First Final Flow Pressure			18	PSI	Recorder No.	13266	Safety Jt.	★ 50
(D) Initial Shut-In Pressure			31	PSI	(depth)	4669	Circ Sub	NC ★
(E) Second Initial Flow Pressure			15	PSI	Recorder No.		Sampler	
(F) Second Final Flow Pressure			19	PSI	(depth)		Straddle	
(G) Final Shut-In Pressure			114	PSI	Initial Opening	30	Ext. Packer	
(Q) Final Hydrostatic Mud			2270	PSI	Initial Shut-In	45	Shale Packer	
					Final Flow	45	Ruined Packer	
					Final Shut-In	60	Mileage	100 ¹⁰⁰
					T-On Location	10:15	Sub Total:	1250
					T-Started	10:35	Std. By	3/4 hr 37.50
					T-Open	13:05	Other	
					T-Pulled	16:07	Total:	\$1287.50
					T-Out	18:00		

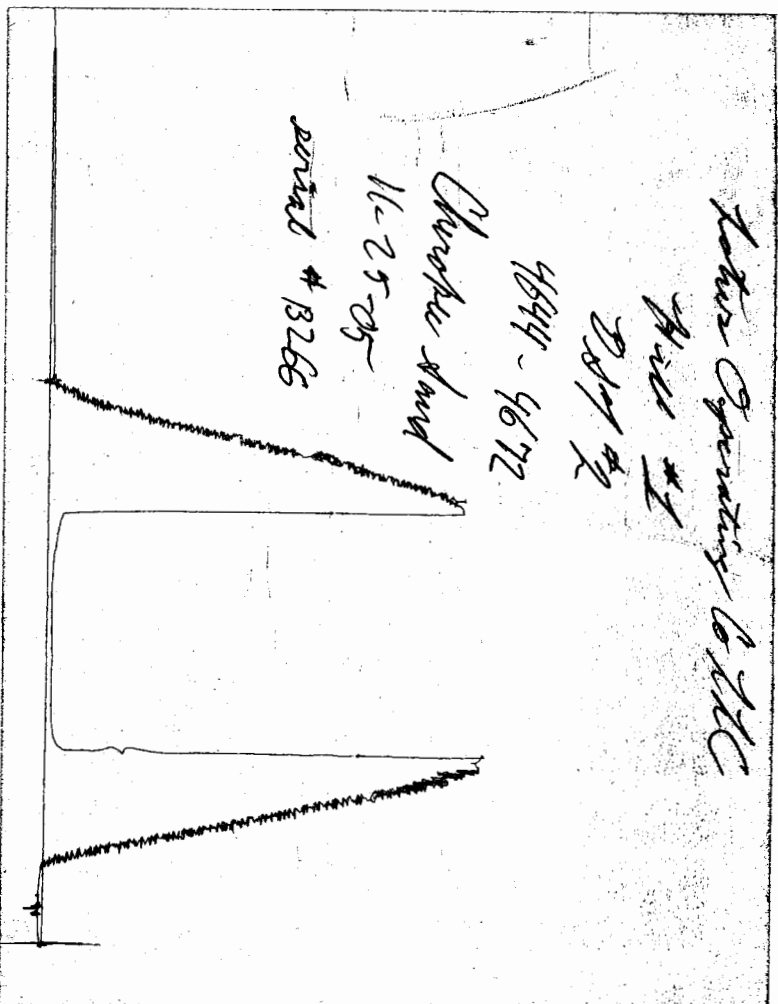
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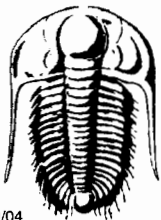
Approved By

Our Representative

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21931

9/04

Test Ticket

Well Name & No. Hill #1 Test No. 3 Date 11-26-05
 Company Lotus Operating Co. LLC Zone Tested Mississippi
 Address 100 S. Main Ste 420, Wichita, KS 67202 Elevation 1393 KB B82 GL
 Co. Rep / Geo. Tim Hellman Cont. Duke Dole Co Rig #1 Est. Ft. of Pay — Por. — %
 Location: Sec. 20 Twp. 34S Rge. 11W Co. Barber State KS
 No. of Copies — Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4690-4726 Initial Str Wt./Lbs. 52000 Unseated Str Wt./Lbs. 52000
 Anchor Length 36 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 80000
 Top Packer Depth 4685 Tool Weight 2100
 Bottom Packer Depth 4690 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES
 Total Depth 4726 Wt. Pipe Run NONE Drill Collar Run NONE
 Mud Wt. 9.3 LCM 2# Vis. 45 WL 10.4 Drill Pipe Size 4 1/2" XH Ft. Run 4668
 Blow Description FF: Tool closed 15' to bottom. Tool opened twice while
FF: closing bottom. Ran out of room to set slips.
FF: Pulled test. Took 30,000 lbs to pull loose. Misrun.
FFI:

Recovery - Total Feet 30 GIP — Ft. in DC — Ft. in DP 30
 Rec. 30 Feet of Dily Mud %gas — %oil — %water 100 %mud —
 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 —
 BHT — °F Gravity — °API D @ — °F Corrected Gravity — °API
 RW — @ — °F Chlorides — ppm Recovery — Chlorides 5000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	2289	PSI	6668	1000
(B) First Initial Flow Pressure	1491	PSI	4691	Jars
(C) First Final Flow Pressure	—	PSI	13266	Safety Jt. 50
(D) Initial Shut-In Pressure	—	PSI	4723	Circ Sub <u>MC</u>
(E) Second Initial Flow Pressure	302	PSI	—	Sampler
(F) Second Final Flow Pressure	—	PSI	—	Straddle
(G) Final Shut-In Pressure	—	PSI	Initial Opening	Ext. Packer
(Q) Final Hydrostatic Mud	2261	PSI	Initial Shut-In	Shale Packer
			Final Flow	Ruined Packer
			Final Shut-In	Mileage 100 100
			T-On Location	Sub Total: \$ 1150
			T-Started	Std. By
			T-Open	Other <u>Misrun</u>
			T-Pulled	Total:
			T-Out	

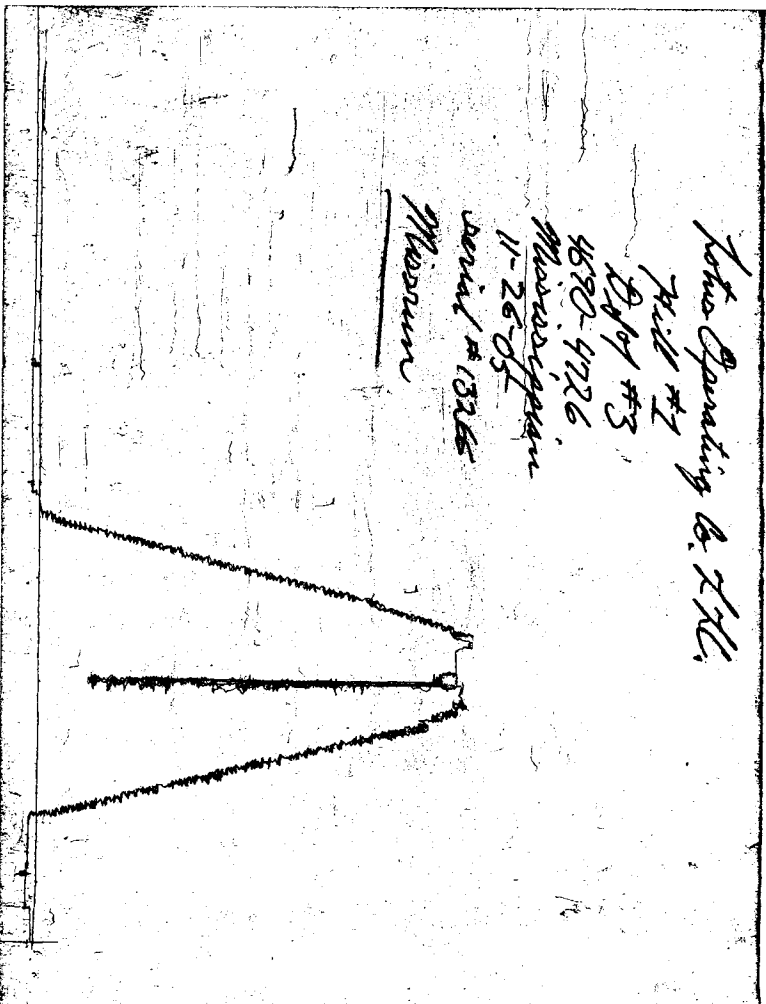
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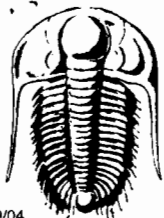
Approved By James C. Schubert

Our Representative James C. Schubert

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21932

Test Ticket

Well Name & No. <u>Hill #1</u>	Test No. <u>4</u>	Date <u>11-26-05</u>
Company <u>Lotus Operating Co, LLC</u>	Zone Tested <u>Mississippi</u>	
Address <u>100 S. Main, Ste 420, Wichita, KS 67202</u>	Elevation <u>1393</u> KB <u>1382</u>	GL
Co. Rep / Geo. <u>Tim Hellman</u>	Cont. <u>Duke Oil Co Rig #2</u>	Est. Ft. of Pay <u>—</u> Por. <u>—</u> %
Location: Sec. <u>20</u> Twp. <u>34S</u> Rge. <u>11W</u> Co. <u>Barber</u> State <u>KS</u>		
No. of Copies <u>—</u> Distribution Sheet (Y, N) <u>—</u> Turnkey (Y, N) <u>—</u> Evaluation (Y, N) <u>—</u>		

Interval Tested 4690-4726 Initial Str Wt./Lbs. 50000 Unseated Str Wt./Lbs. 52000
 Anchor Length 36 Wt. Set Lbs. 20006 Wt. Pulled Loose/Lbs. 56000
 Top Packer Depth 4685 Tool Weight 2100
 Bottom Packer Depth 4690 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES
 Total Depth 4726 Wt. Pipe Run NONE Drill Collar Run NONE
 Mud Wt. 9.2 LCM 2# Vis. 52 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 4698
 Blow Description IF: Fair to strong blow, BOB 1 minute.
ISI: Bled off, weak blowback @ 1/2".
FF: Fair to strong blow, BOB 30 seconds.
FBI: Bled off, no blowback.

Recovery - Total Feet 120 GIP 2400 Ft. in DC NONE Ft. in DP 90
 Rec. 90 Feet of SLCCM %gas 6 %oil — %water 94 %mud —
 Rec. 30 Feet of SLCCWM %gas 5 %oil 45 %water 50 %mud —
 Rec. — Feet of — %gas — %oil — %water — %mud —
 Rec. — Feet of — %gas — %oil — %water — %mud —
 Rec. — Feet of — %gas — %oil — %water — %mud —
 BHT 122 °F Gravity NC °API D @ — °F Corrected Gravity — °API
 RW .22 @ 65 °F Chlorides 35000 ppm Recovery — Chlorides 4000 ppm System

AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2300</u> PSI	<u>6668</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>23</u> PSI	(depth) <u>4691</u>	Jars <u>200</u>
(C) First Final Flow Pressure	<u>41</u> PSI	Recorder No. <u>13266</u>	Safety Jt. <u>50</u>
(D) Initial Shut-In Pressure	<u>1826</u> PSI	(depth) <u>4723</u>	Circ Sub <u>NC</u>
(E) Second Initial Flow Pressure	<u>43</u> PSI	Recorder No. <u>—</u>	Sampler <u>—</u>
(F) Second Final Flow Pressure	<u>73</u> PSI	(depth) <u>—</u>	Straddle <u>—</u>
(G) Final Shut-In Pressure	<u>1810</u> PSI	Initial Opening <u>30</u>	Ext. Packer <u>—</u>
(Q) Final Hydrostatic Mud	<u>2318</u> PSI	Initial Shut-In <u>60</u>	Shale Packer <u>—</u>
		Final Flow <u>60</u>	Ruined Packer <u>—</u>
		Final Shut-In <u>90</u>	Mileage <u>100</u> <u>100</u>
		T-On Location <u>19:30</u>	Sub Total: <u>1450</u>
		T-Started <u>20:24</u>	Std. By <u>2 1/2 hours</u> <u>125</u>
		T-Open <u>00:05</u>	Other <u>—</u>
		T-Pulled <u>04:15</u>	Total: <u>\$1575</u>
		T-Out <u>07:00</u>	

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Approved By Tim Hellman
 Our Representative James J. Schumaker
Chambers

CHART PAGE

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