



## DRILL STEM TEST REPORT

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

100 S. Main  
Suite 420  
Wichita, KS 67202

ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

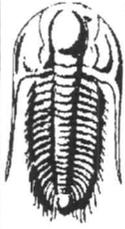
**Hanwit #2**

Start Date: 2005.12.29 @ 01:19:07

End Date: 2005.12.29 @ 08:52:07

Job Ticket #: 21945                      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: Joe Baker

**Hanwit #2**

**8-29s-15w-Pratt-KS**

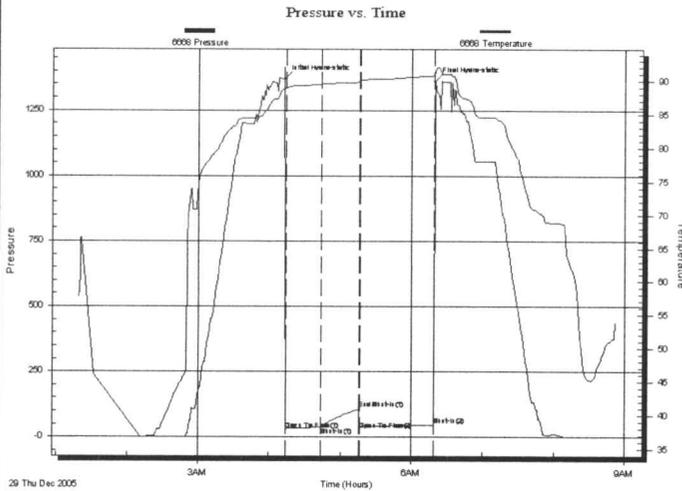
Job Ticket: 21945      **DST#: 1**  
Test Start: 2005.12.29 @ 01:19:07

## GENERAL INFORMATION:

Formation: **Bader**  
Deviated: **No** Whipstock:                      ft (KB)  
Time Tool Opened: 04:13:52  
Time Test Ended: 08:52:07  
Interval: **2719.00 ft (KB) To 2737.00 ft (KB) (TVD)**  
Total Depth: **2737.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Poor**  
Test Type: **Conventional Bottom Hole**  
Tester: **Jake Fahrenbruch**  
Unit No: **30**  
Reference Elevations: **2022.00 ft (KB)**  
**2010.00 ft (CF)**  
KB to GR/CF: **12.00 ft**

**Serial #: 6668**      **Inside**  
Press@RunDepth: **36.69 psig @ 2720.00 ft (KB)**      Capacity: **7000.00 psig**  
Start Date: **2005.12.29**      End Date: **2005.12.29**      Last Calib.: **2005.12.29**  
Start Time: **01:19:08**      End Time: **08:52:07**      Time On Btm: **2005.12.29 @ 04:12:37**  
Time Off Btm: **2005.12.29 @ 06:19:22**

**TEST COMMENT:** IF: Fair blow, BOB 22 sec. Blow died slightly but still @ BOB.  
IS: Bled off, no blow back.  
FF: Weak blow, built to 6.5", slowly died to 5".  
FS: Tourqued up, couldn't turn tool, pulled tool out of



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1369.18	88.85	Initial Hydro-static
2	27.76	88.87	Open To Flow (1)
31	36.69	89.53	Shut-In(1)
63	106.19	89.85	End Shut-In(1)
63	28.89	89.88	Open To Flow (2)
127	44.45	90.87	Shut-In(2)
127	1361.74	91.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
40.00	WCM 25%w 75%rm	0.20
0.00	600' GIP	0.00
0.00	RW= .25ohm@44degF=48000 ppm Chl	0.00
0.00	0	0.00

## Gas Rates

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



**TRILOBITE  
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## DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co. LLC

Hanwit #2

100 S. Main  
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ATTN: Joe Baker

8-29s-15w-Pratt-KS

Job Ticket: 21945      DST#: 1

Test Start: 2005.12.29 @ 01:19:07

### Tool Information

Drill Pipe:	Length: 2476.00 ft	Diameter: 3.80 inches	Volume: 34.73 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 35.93 bbl</u>	Tool Chased 6.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2719.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	38.00 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			2704.00	
Hydraulic tool	5.00			2709.00	
Packer	5.00			2714.00	20.00      Bottom Of Top Packer
Packer	5.00			2719.00	
Stubb	1.00			2720.00	
Recorder	0.00	6668	Inside	2720.00	
Perforations	14.00			2734.00	
Recorder	0.00	13266	Outside	2734.00	
Bullnose	3.00			2737.00	18.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>38.00</b>				



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## DRILL STEM TEST REPORT

FLUID SUMMARY

Lotus Operating Co. LLC

**Hanwit #2**

100 S. Main  
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ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

Job Ticket: 21945      DST#: 1  
Test Start: 2005.12.29 @ 01:19:07

### Mud and Cushion Information

Mud Type: Water	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 29.00 sec/qt	Cushion Volume: bbl		
Water Loss: in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 168000.00 ppm			
Filter Cake: 0.00 inches			

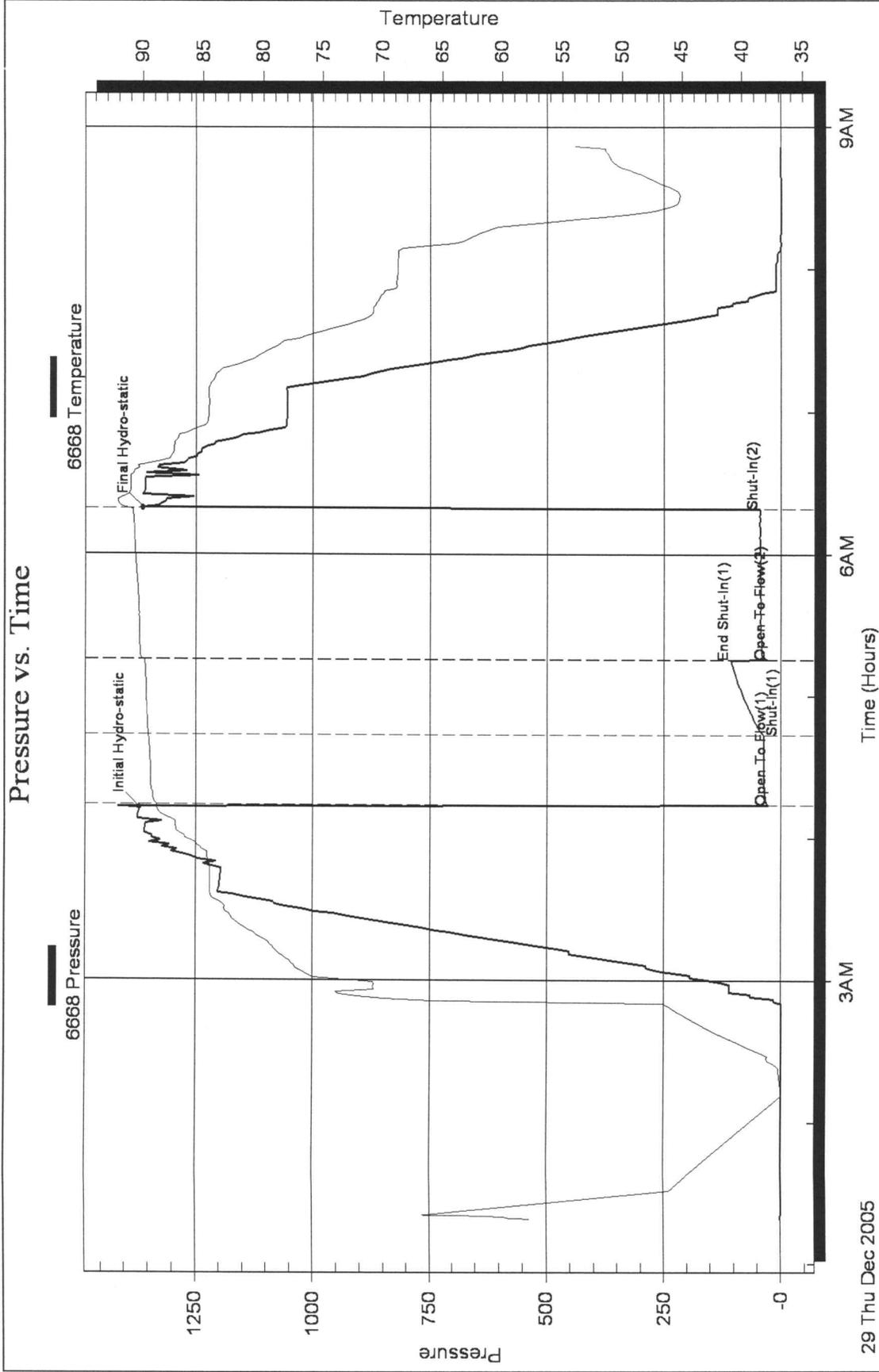
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	WCM 25%w 75%m	0.197
0.00	600' GIP	0.000
0.00	RW=.25ohm@44degF=48000 ppm Chl	0.000
0.00	0	0.000

Total Length: 40.00 ft      Total Volume: 0.197 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**

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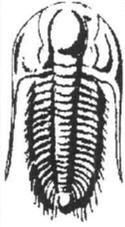
**Hanwit #2**

Start Date: 2006.01.01 @ 17:04:28

End Date: 2006.01.02 @ 05:12:43

Job Ticket #: 21946                      DST #: 2

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



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# DRILL STEM TEST REPORT

Lotus Operating Co. LLC

**Hanwit #2**

100 S. Main  
Suite 420  
Wichita, KS 67202  
ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

Job Ticket: 21946      **DST#: 2**  
Test Start: 2006.01.01 @ 17:04:28

## GENERAL INFORMATION:

Formation: **Ft. Scott**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:40:58  
 Time Test Ended: 05:12:43  
 Interval: **4560.00 ft (KB) To 4585.00 ft (KB) (TVD)**  
 Total Depth: 4585.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Jake Fahrenbruch  
 Unit No: 30  
 Reference Elevations: 2022.00 ft (KB)  
 2010.00 ft (CF)  
 KB to GR/CF: 12.00 ft

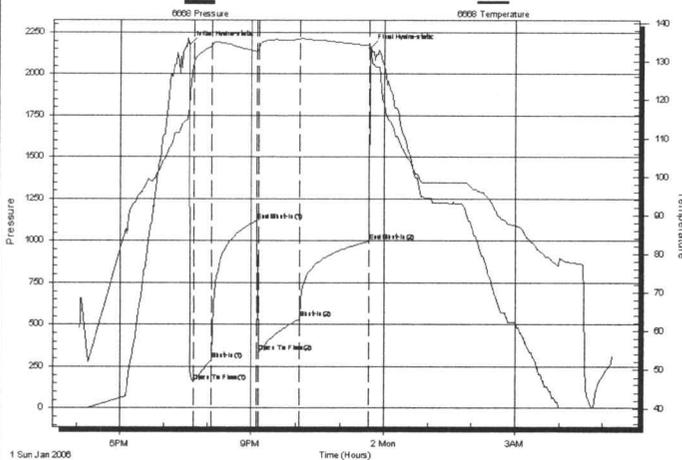
## Serial #: 6668

Inside

Press@RunDepth: 535.85 psig @ 4561.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2006.01.01      End Date: 2006.01.02      Last Calib.: 2006.01.02  
 Start Time: 17:04:29      End Time: 05:12:43      Time On Btm: 2006.01.01 @ 19:35:13  
 Time Off Btm: 2006.01.01 @ 23:40:13

**TEST COMMENT:** IF: Strong blow, BOB 10 seconds. GTS 4 minutes 45 seconds.  
 IS: Bled off, b;ow back building to BOB.  
 FF: Strong blow, BOB immediately.  
 FS: Bled off, strong blow back @ BOB.

Pressure vs. Time



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.00	117.25	Initial Hydro-static
6	158.24	129.58	Open To Flow (1)
31	288.59	133.83	Shut-In(1)
93	1120.11	132.63	End Shut-In(1)
95	333.21	133.25	Open To Flow (2)
151	535.85	135.71	Shut-In(2)
245	996.89	134.21	End Shut-In(2)
245	2156.09	133.82	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
2263.00	Free Oil	31.74
124.00	HGCMO 40%g 20%m 40%o	1.74
186.00	HGCOM 40%g 25%o 35%m	2.61
0.00	Gravity = 38 @ 60 deg F	0.00
0.00	0	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	4.50	69.23
Last Gas Rate	0.13	25.00	14.75
Max. Gas Rate	0.13	25.00	14.75



**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co. LLC

**Hanwit #2**

100 S. Main  
Suite 420  
Wichita, KS 67202  
ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

Job Ticket: 21946      **DST#: 2**  
Test Start: 2006.01.01 @ 17:04:28

**Tool Information**

Drill Pipe:	Length: 4550.00 ft	Diameter: 3.80 inches	Volume: 63.82 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 63.82 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4560.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	47.00 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			4543.00	
Hydraulic tool	5.00			4548.00	
Safety Joint	2.00			4550.00	
Packer	5.00			4555.00	22.00      Bottom Of Top Packer
Packer	5.00			4560.00	
Stubb	1.00			4561.00	
Recorder	0.00	6668	Inside	4561.00	
Perforations	21.00			4582.00	
Recorder	0.00	13266	Outside	4582.00	
Bullnose	3.00			4585.00	25.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>47.00</b>				



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**FLUID SUMMARY**

Lotus Operating Co. LLC

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ATTN: Joe Baker

**8-29s-15w-Pratt-KS**  
Job Ticket: 21946      **DST#: 2**  
Test Start: 2006.01.01 @ 17:04:28

## 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: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.00 inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2263.00	Free Oil	31.744
124.00	HGCMO 40%g 20%m 40%o	1.739
186.00	HGCOM 40%g 25%o 35%m	2.609
0.00	Gravity = 38 @ 60 deg F	0.000
0.00	0	0.000

Total Length: 2573.00 ft      Total Volume: 36.092 bbl

Num Fluid Samples: 1      Num Gas Bombs: 0      Serial #:  
Laboratory Name: Caraway      Laboratory Location: Liberal, KS  
Recovery Comments:



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## DRILL STEM TEST REPORT

**GAS RATES**

Lotus Operating Co. LLC

**Hanwit #2**

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ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

Job Ticket: 21946

**DST#: 2**

Test Start: 2006.01.01 @ 17:04:28

### 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 <sup>3</sup> /d)
1	10	0.38	4.50	69.23
1	10	0.38	4.50	69.23
1	20	0.38	3.00	63.74
1	30	0.38	0.00	52.75
2	10	0.13	7.00	8.01
2	20	0.13	9.00	8.76
2	30	0.13	11.00	9.51
2	40	0.13	16.00	11.38
2	50	0.13	22.00	13.62
2	60	0.13	25.00	14.75

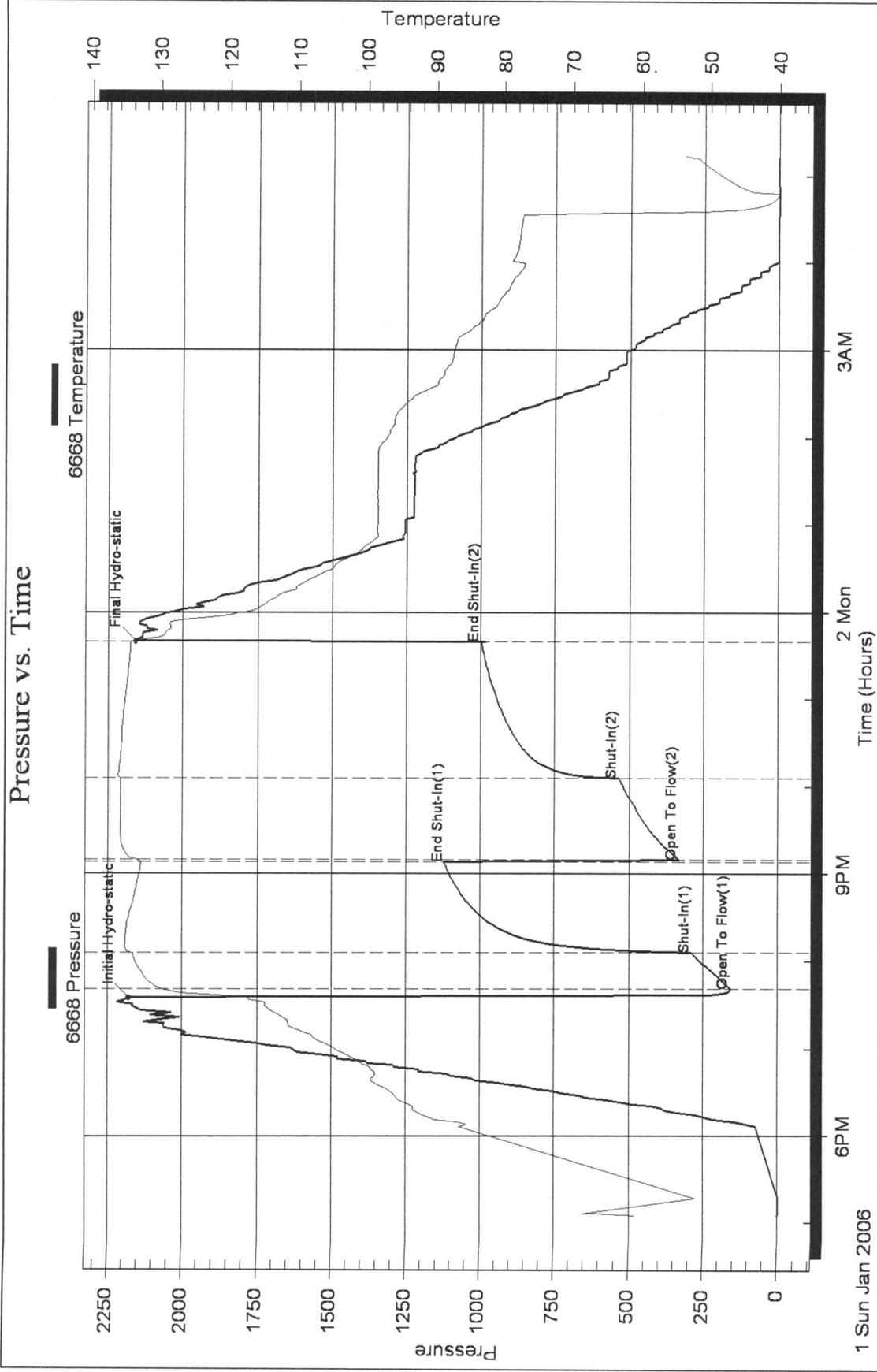
Serial #: 6668

Inside

Lotus Operating Co. LLC

8-29s-15w -Pratt-KS

DST Test Number: 2





## DRILL STEM TEST REPORT

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

100 S. Main  
Suite 420  
Wichita, KS 67202

ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

**Hanwit #2**

Start Date: 2006.01.02 @ 15:59:21

End Date: 2006.01.03 @ 02:53:51

Job Ticket #: 21947                      DST #: 3

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# DRILL STEM TEST REPORT

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100 S. Main  
Suite 420  
Wichita, KS 67202  
ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

Job Ticket: 21947      **DST#: 3**  
Test Start: 2006.01.02 @ 15:59:21

## GENERAL INFORMATION:

Formation: **Mississippian**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 18:16:21  
 Time Test Ended: 02:53:51  
 Interval: **4621.00 ft (KB) To 4667.00 ft (KB) (TVD)**  
 Total Depth: 4667.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Jake Fahrenbruch  
 Unit No: 30  
 Reference Elevations: 2022.00 ft (KB)  
 2010.00 ft (CF)  
 KB to GR/CF: 12.00 ft

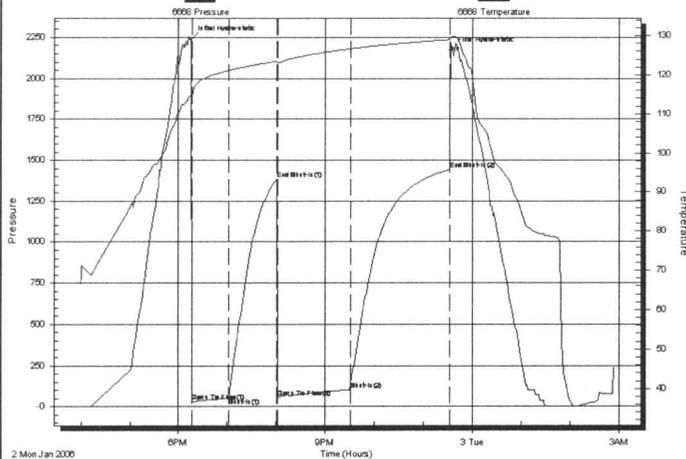
## Serial #: 6668

Inside

Press@RunDepth: 103.46 psig @ 4622.00 ft (KB)      Capacity: 7000.00 psig  
 Start Date: 2006.01.02      End Date: 2006.01.03      Last Calib.: 2006.01.03  
 Start Time: 15:59:22      End Time: 02:53:51      Time On Btm: 2006.01.02 @ 18:15:06  
 Time Off Btm: 2006.01.02 @ 23:33:21

**TEST COMMENT:** IF: Strong blow, BOB 1 minute 17 seconds.  
 IS: Bled off, no blow back.  
 FF: Strong blow, BOB 5 seconds. GTS 20 minutes.  
 FS: Bled off, no blow back.

Pressure vs. Time



## PRESSURE SUMMARY

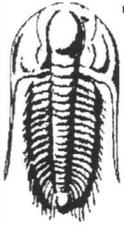
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2235.83	114.83	Initial Hydro-static
2	28.30	114.83	Open To Flow (1)
47	52.31	121.14	Shut-In(1)
106	1384.27	123.48	End Shut-In(1)
108	55.92	123.10	Open To Flow (2)
196	103.46	126.62	Shut-In(2)
318	1443.40	128.96	End Shut-In(2)
319	2169.34	129.45	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	Free Oil 100%o	1.68
100.00	HGCOM 35%g 30%o 35%m	1.40
0.00	Gas in all fluid free pipe.	0.00
0.00	Gravity= 39 @ 80 degF= 41 corrected.	0.00
0.00	0	0.00

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	2.00	6.14
Last Gas Rate	0.13	7.00	8.01
Max. Gas Rate	0.13	7.00	8.01



**TRILOBITE**  
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# DRILL STEM TEST REPORT

TOOL DIAGRAM

Lotus Operating Co. LLC

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Wichita, KS 67202  
ATTN: Joe Baker

**8-29s-15w-Pratt-KS**

Job Ticket: 21947      **DST#: 3**

Test Start: 2006.01.02 @ 15:59:21

**Tool Information**

Drill Pipe:	Length: 4611.00 ft	Diameter: 3.80 inches	Volume: 64.68 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<u>Total Volume: 64.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	4621.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.00 ft			
Tool Length:	68.00 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			4604.00	
Hydraulic tool	5.00			4609.00	
Safety Joint	2.00			4611.00	
Packer	5.00			4616.00	22.00      Bottom Of Top Packer
Packer	5.00			4621.00	
Stubb	1.00			4622.00	
Recorder	0.00	6668	Inside	4622.00	
Perforations	9.00			4631.00	
Blank Spacing	33.00			4664.00	
Recorder	0.00	13266	Outside	4664.00	
Bullnose	3.00			4667.00	46.00      Bottom Packers & Anchor

**Total Tool Length: 68.00**



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Job Ticket: 21947      **DST#: 3**  
Test Start: 2006.01.02 @ 15:59:21

### 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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 0.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	Free Oil 100%o	1.683
100.00	HGCOM 35%g 30%o 35%m	1.403
0.00	Gas in all fluid free pipe.	0.000
0.00	Gravity= 39 @ 80 degF= 41 corrected.	0.000
0.00	0	0.000

Total Length: 220.00 ft      Total Volume: 3.086 bbl

Num Fluid Samples: 1      Num Gas Bombs: 0      Serial #:

Laboratory Name: Caraway      Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Lotus Operating Co. LLC

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Job Ticket: 21947

**DST#: 3**

Test Start: 2006.01.02 @ 15:59:21

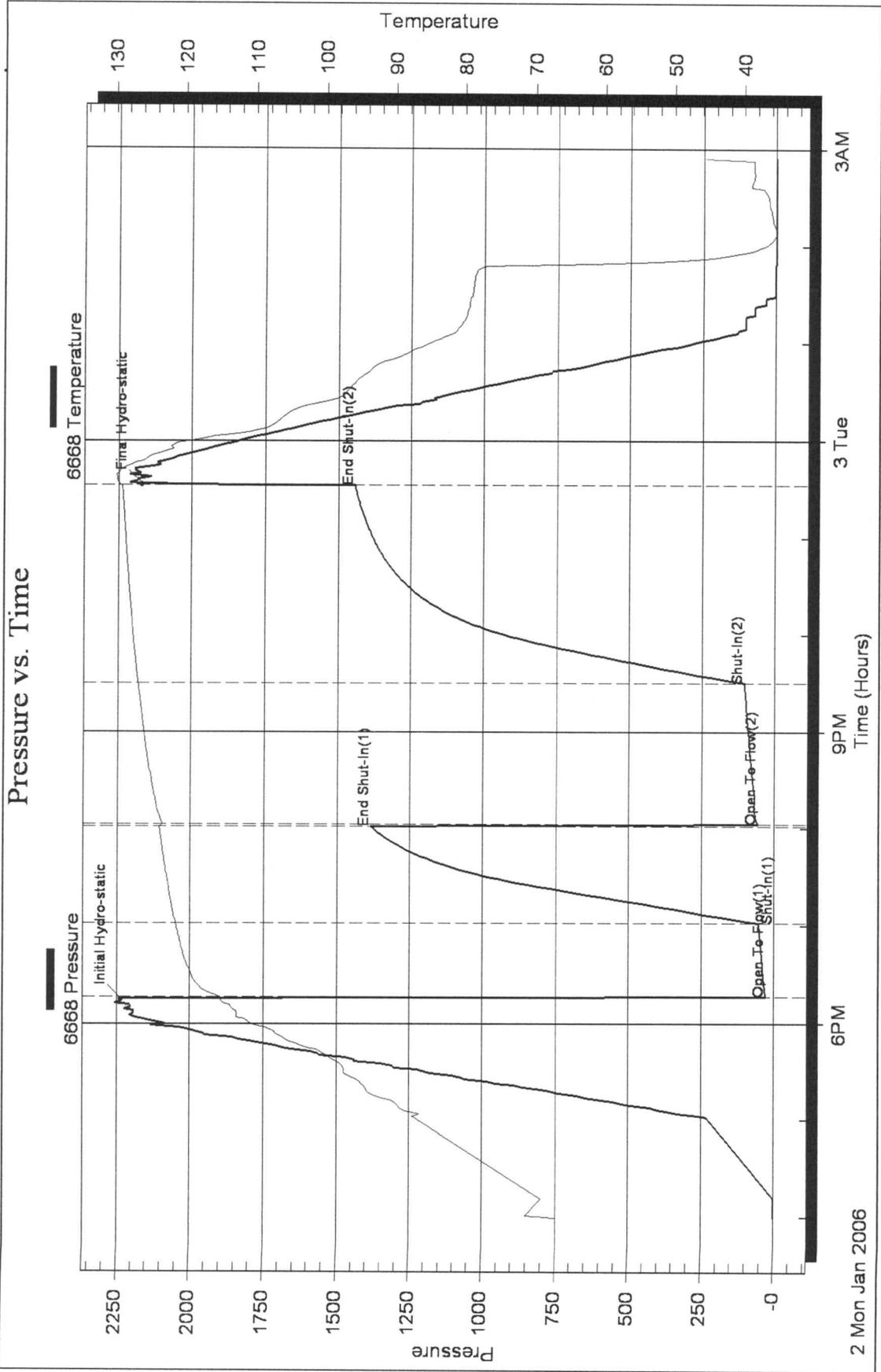
### Gas Rates Information

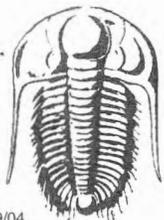
Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	30	0.13	2.00	6.14
2	40	0.13	4.00	6.89
2	50	0.13	4.50	7.07
2	60	0.13	5.00	7.26
2	70	0.13	6.00	7.63
2	80	0.13	7.00	8.01
2	90	0.13	7.00	8.01

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

8260

No 21945

9/04

## Test Ticket

Well Name & No. Hanwit #2 Test No. I Date 12-29-05  
 Company Lotus Operating Co. LLC Zone Tested Bader  
 Address 100 S. Main, Ste 420, Wichita, KS 67202 Elevation 2022 KB 2010 GL  
 Co. Rep / Geo. Joe Baker Cont. Duke Dig Rig #1 Est. Ft. of Pay — Por. — %  
 Location: Sec. 8 Twp. 29<sup>S</sup> Rge. 15<sup>W</sup> Co. Piatt State KS  
 No. of Copies — Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 2719-2737 Initial Str Wt./Lbs. 40000 Unseated Str Wt./Lbs. 42000  
 Anchor Length 18 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 60000  
 Top Packer Depth 2714 Tool Weight 2100  
 Bottom Packer Depth 2719 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES  
 Total Depth 2737 Wt. Pipe Run NONE Drill Collar Run YES 245'  
 Mud Wt. 10.1 LCM ⊗ Vis. 29 WL — Drill Pipe Size 4 1/2" XH Ft. Run 2476  
 Blow Description IF: Fair blow, BOB 22 sec, blow died slightly but still @ BOB.  
ISI: Bled off, no blowback.  
FF: Weak blow, built to 6 1/2", slowly died to 5".  
FSI: Torqued up, couldn't turn tool, pulled tool out of hole.

Recovery - Total Feet 40 GIP 600 Ft. in DC 40 Ft. in DP NONE  
 Rec. 40 Feet of WCM %gas %oil 25 %water 75 %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 90 °F Gravity NA °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 25.0 @ 44 °F Chlorides 48000 ppm Recovery \_\_\_\_\_ Chlorides 168000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	1369	PSI	6668	8 hour \$1000
(B) First Initial Flow Pressure	28	PSI	(depth) 2720	Jars _____
(C) First Final Flow Pressure	37	PSI	Recorder No. 13266	Safety Jt. _____
(D) Initial Shut-In Pressure	106	PSI	(depth) 2734	Circ Sub <u>NL</u> <u>★</u>
(E) Second Initial Flow Pressure	29	PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	44	PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	_____	PSI	Initial Opening 30	Ext. Packer _____
(Q) Final Hydrostatic Mud	1362	PSI	Initial Shut-In 30	Shale Packer _____
			Final Flow 60	Ruined Packer _____
			Final Shut-In _____	Mileage <u>50.50</u>
			T-On Location <u>01:00</u>	Sub Total: <u>1050</u>
			T-Started <u>01:20</u>	Std. By _____
			T-Open <u>04:13</u>	Other _____
			T-Pulled <u>06:19</u>	Total: _____
			T-Out <u>08:30</u>	

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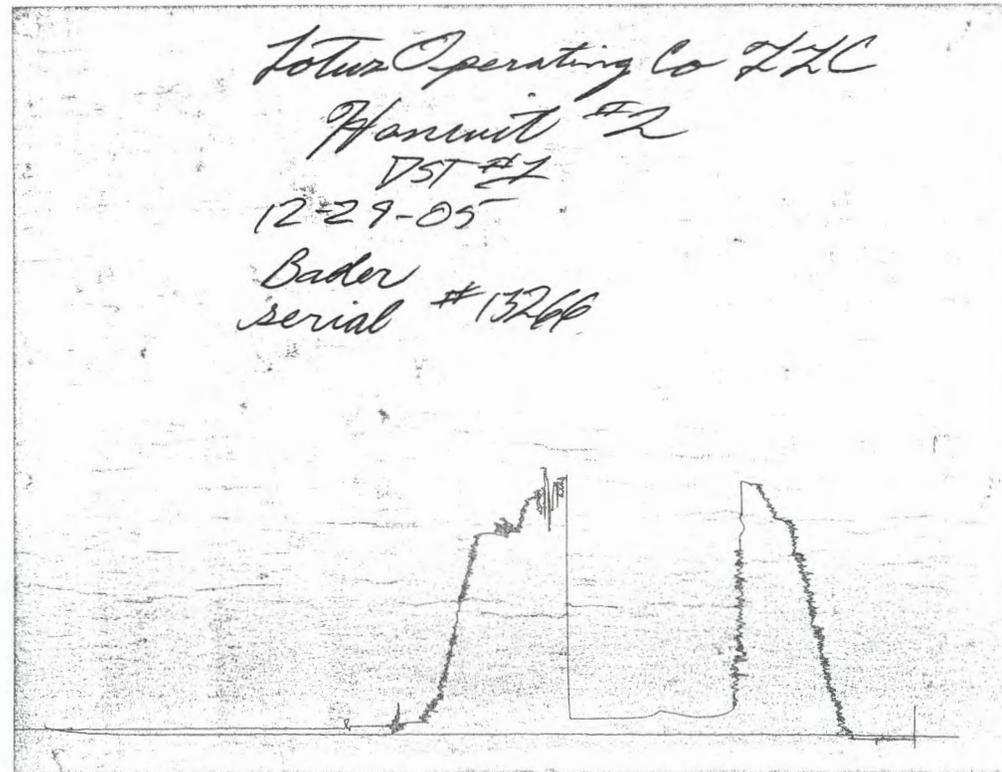
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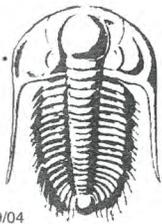
Our Representative [Signature]

Thanks

**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21946

## Test Ticket

Well Name & No. Hanni #2 Test No. 2 Date 1-1-06  
 Company Lotus Operating Co. LLC Zone Tested Ft. Scott  
 Address 100 S. Main, Suite 420, Wichita, KS 67202 Elevation 2022 KB 2010 GL  
 Co. Rep / Geo. Joe Baker Cont. Duke Drilling Co. Rig #1 Est. Ft. of Pay --- Por. --- %  
 Location: Sec. 8 Twp. 29S Rge. 15W Co. Pratt State Kansas  
 No. of Copies --- Distribution Sheet (Y, N) --- Turnkey (Y, N) --- Evaluation (Y, N) ---

Interval Tested 4560-4585 Initial Str Wt./Lbs. 50000 Unseated Str Wt./Lbs. 54000  
 Anchor Length 25 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 56000  
 Top Packer Depth 4555 Tool Weight 2100  
 Bottom Packer Depth 4560 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES  
 Total Depth 4585 Wt. Pipe Run NONE Drill Collar Run NONE  
 Mud Wt. 9.1+ LCM 4 Vis. 43 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 4550  
 Blow Description IF: Strong blow BOB 10 seconds, GTS 4 minutes 45 seconds.  
ISI: Bled off blowback building to BOB.  
FF: Strong blow, BOB immediately.  
FSI: Bled off, strong blowback @ BOB.

Recovery - Total Feet 2573 GIP AFFP Ft. in DC NONE Ft. in DP 2573  
 Rec. 2263 Feet of Free Oil %gas 100 %oil --- %water --- %mud ---  
 Rec. 124 Feet of H6C MO %gas 40 %oil --- %water 20 %mud ---  
 Rec. 186 Feet of H6C OM %gas 40 %oil --- %water 35 %mud ---  
 Rec. --- Feet of --- %gas --- %oil --- %water --- %mud ---  
 Rec. --- Feet of --- %gas --- %oil --- %water --- %mud ---  
 BHT 134 °F Gravity 38 °API D @ 60 °F Corrected Gravity 38 °API  
 RW NC @ --- °F Chlorides --- ppm Recovery --- Chlorides 5000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	2177	PSI	<u>6668</u>	<u>9 hour</u> ★ <u>1100</u>
(B) First Initial Flow Pressure	158	PSI	(depth) <u>4561</u>	Jars <u>---</u>
(C) First Final Flow Pressure	289	PSI	Recorder No. <u>13266</u>	Safety Jt. ★ <u>50</u>
(D) Initial Shut-In Pressure	1120	PSI	(depth) <u>4582</u>	Circ Sub <u>NC</u> ★
(E) Second Initial Flow Pressure	333	PSI	Recorder No. <u>---</u>	Sampler <u>---</u>
(F) Second Final Flow Pressure	536	PSI	(depth) <u>---</u>	Straddle <u>---</u>
(G) Final Shut-In Pressure	997	PSI	<b>Initial Opening</b> <u>30</u>	Ext. Packer <u>---</u>
(Q) Final Hydrostatic Mud	2156	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>5050</u>

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Approved By [Signature]

Our Representative [Signature]

**T-On Location** 16:15  
 T-Started 17:04  
 T-Open 19:40  
 T-Pulled 23:40  
 T-Out 04:45

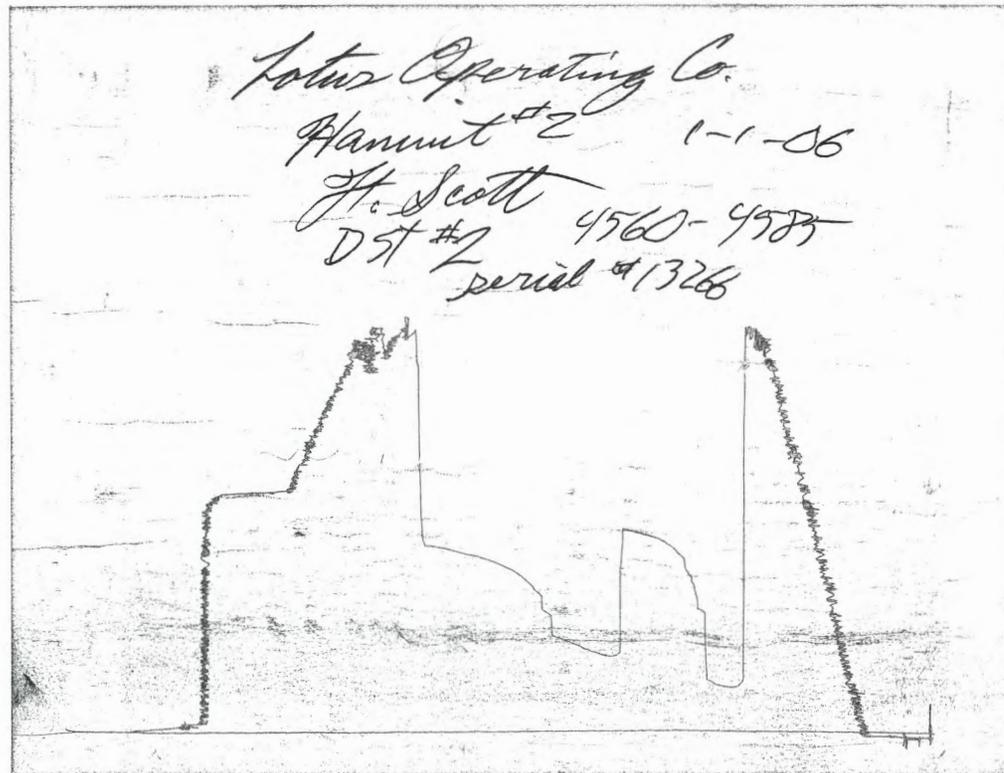
Sub Total: 1200  
 Std. By 3 1/2 Hours 175  
 Other ---  
 Total: \$1375

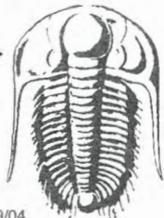
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**CHART PAGE**

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





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 21947

## Test Ticket

Well Name & No. Hanwit #2 Test No. 3 Date 1-2-06  
 Company Lotus Operating Co. LLC Zone Tested Mississippian  
 Address 100 S. Main, Suite 420, Wichita, KS 67202 Elevation 2022 KB 2010 GL  
 Co. Rep / Geo. Joe Baker Cont. Duke Drilling Co. Rig #2 Est. Ft. of Pay      Por.      %  
 Location: Sec. 8 Twp. 29S Rge. 15W Co. Pratt State Kansas  
 No. of Copies      Distribution Sheet (Y, N)      Turnkey (Y, N)      Evaluation (Y, N)     

Interval Tested 4621-4667 Initial Str Wt./Lbs. 50000 Unseated Str Wt./Lbs. 30000  
 Anchor Length 46 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 52000  
 Top Packer Depth 4616 Tool Weight 2100  
 Bottom Packer Depth 4621 Hole Size 7 7/8" YES Rubber Size 6 3/4" YES  
 Total Depth 4667 Wt. Pipe Run NONE Drill Collar Run NONE  
 Mud Wt. 9.2 LCM 3# Vis. 30 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 4611  
 Blow Description IF: Strong blow, BOB 1 minute 17 seconds.  
ISF: Bled off, no blowback.  
FF: Strong Blow, BOB 5 seconds. GTS 20 minutes.  
FSF:

Recovery - Total Feet 220 GIP AFFP Ft. in DC NONE Ft. in DP 220  
 Rec. 120 Feet of Free Oil %gas 100 %oil      %water      %mud       
 Rec. 100 Feet of HGCOM %gas 30 %oil      %water 35 %mud       
 Rec.      Feet of      %gas      %oil      %water      %mud       
 Rec.      Feet of      %gas      %oil      %water      %mud       
 Rec.      Feet of      %gas      %oil      %water      %mud       
 BHT 129 °F Gravity 39 °API D @ 80 °F Corrected Gravity 41 °API  
 RW      @      °F Chlorides      ppm Recovery      Chlorides 6000 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	2236	PSI	<u>6668</u>	<u>9 hour</u> ★ <u>1100</u>
(B) First Initial Flow Pressure	28	PSI	(depth) <u>4622</u>	Jars <u>    </u>
(C) First Final Flow Pressure	52	PSI	Recorder No. <u>13266</u>	Safety Jt. ★ <u>50</u>
(D) Initial Shut-In Pressure	1384	PSI	(depth) <u>4664</u>	Circ Sub <u>NC</u> ★
(E) Second Initial Flow Pressure	56	PSI	Recorder No. <u>    </u>	Sampler <u>    </u>
(F) Second Final Flow Pressure	103	PSI	(depth) <u>    </u>	Straddle <u>    </u>
(G) Final Shut-In Pressure	1443	PSI	Initial Opening <u>45</u>	Ext. Packer <u>    </u>
(Q) Final Hydrostatic Mud	2169	PSI	Initial Shut-In <u>60</u>	Shale Packer <u>    </u>
			Final Flow <u>90</u>	Ruined Packer <u>    </u>
			Final Shut-In <u>120</u>	Mileage <u>50.50</u>
			T-On Location <u>15:30</u>	Sub Total: <u>1200</u>
			T-Started <u>15:59</u>	Std. By <u>2 hour</u> <u>100</u>
			T-Open <u>18:15</u>	Other <u>    </u>
			T-Pulled <u>23:33</u>	Total: <u>1300</u>
			T-Out <u>02:00</u>	

Approved By \_\_\_\_\_

Our Representative Frank [Signature]

Frank [Signature]



# CHART PAGE

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

