

**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202  
ATTN: Gary Doke/ Jim Musgrove 900

**S30-18-31 Scott, KS**

Job Ticket: 43146 **DST#: 1**

Test Start: 2011.06.22 @ 09:19:00

## GENERAL INFORMATION:

Formation: **LKC 'I'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:27:00  
 Time Test Ended: 17:02:39  
 Interval: **4155.00 ft (KB) To 4185.00 ft (KB) (TVD)**  
 Total Depth: 4185.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Chuck Smith  
 Unit No: 37  
 Reference Elevations: 2981.00 ft (KB)  
 2969.00 ft (CF)  
 KB to GR/CF: 12.00 ft

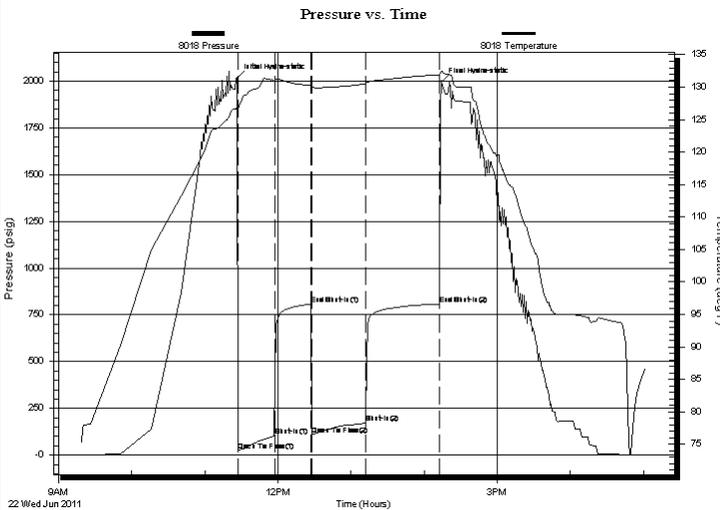
## Serial #: 8018

Inside

Press @ Run Depth: 172.33 psig @ 4158.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.06.22 End Date: 2011.06.22 Last Calib.: 2011.06.22  
 Start Time: 09:19:02 End Time: 17:02:40 Time On Btm: 2011.06.22 @ 11:26:50  
 Time Off Btm: 2011.06.22 @ 14:14:30

TEST COMMENT: IF: B.O.B. @ 26 min.  
 IS: 1 1/4" Return, died @ 24 min.  
 FF: B.O.B. @ 36 min.  
 FS: 2" Return died @ 40 min.

## PRESSURE SUMMARY



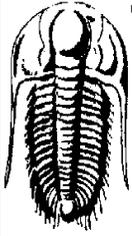
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2015.77	126.94	Initial Hydro-static
1	22.00	126.06	Open To Flow (1)
31	102.79	130.96	Shut-In(1)
61	807.58	130.29	End Shut-In(1)
61	107.36	129.83	Open To Flow (2)
106	172.33	130.52	Shut-In(2)
166	808.44	131.92	End Shut-In(2)
168	1995.91	132.49	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
186.00	GOCM 15g 10o 75m	0.91
226.00	GO 60g 40o	1.50
0.00	240 Feet GIP	0.00

## Gas Rates

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



**TRILOBITE  
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**FLUID SUMMARY**

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202

**S30-18-31 Scott, KS**

ATTN: Gary Doke/ Jim Musgrote 900

Job Ticket: 43146

**DST#: 1**

Test Start: 2011.06.22 @ 09:19:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

30 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
186.00	GOCM 15g 10o 75m	0.915
226.00	GO 60g 40o	1.500
0.00	240 Feet GIP	0.000

Total Length: 412.00 ft      Total Volume: 2.415 bbl

Num Fluid Samples: 0

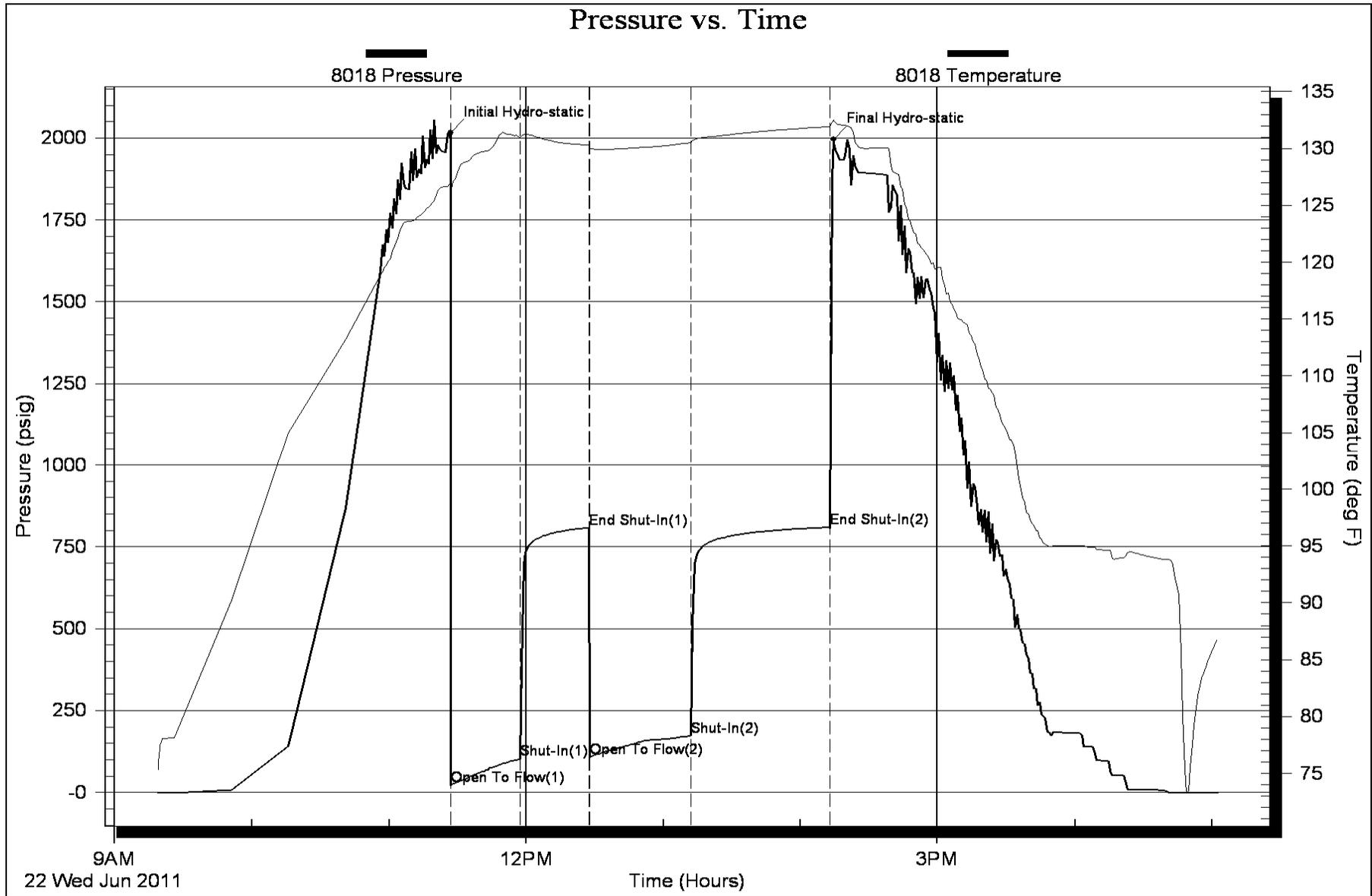
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API:32 @ 80 Degrees F = 30.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 43146 *15961*

Well Name & No. Griffith 14A Test No. 1 Date 6-22-11  
 Company FIML Natural Res. Elevation 2981 KB 2969 GL  
 Address 410 177th St. Ste. 900 Denver, CO 80202  
 Co. Rep / Geo. Gary Duke Rig H2#1  
 Location: Sec. 30 Twp. 18 Rge. 31 Co. Scott State Ks

Interval Tested 4155 - 4185 Zone Tested LKC 'I'  
 Anchor Length 30 Drill Pipe Run 3773 Mud Wt. 8.9  
 Top Packer Depth 4151 Drill Collars Run 372 Vis 54  
 Bottom Packer Depth 4155 Wt. Pipe Run - WL 8.8  
 Total Depth 4185 Chlorides 2000 ppm System LCM 3  
 Blow Description B.O.B. @ 26 min.  
1 1/4" Return, died @ 27 min.  
B.O.B. @ 36 min.  
2" Return, died @ 40 min.

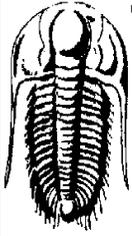
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>226</u>	Feet of <u>60</u>	<u>60</u> %gas	<u>40</u> %oil	%water	%mud
Rec <u>186</u>	Feet of <u>GOCM emulsion</u>	<u>15</u> %gas	<u>10</u> %oil	%water	<u>75</u> %mud
Rec	Feet of <u>240' GIP</u>	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 412 BHT 132 Gravity 30 API RW - @ - °F Chlorides - ppm

(A) Initial Hydrostatic 2016  Test 1225' T-On Location 8:45  
 (B) First Initial Flow 22  Jars T-Started 9:19  
 (C) First Final Flow 103  Safety Joint T-Open 11:27  
 (D) Initial Shut-In 808  Circ Sub NC T-Pulled 14:13  
 (E) Second Initial Flow 107  Hourly Standby T-Out 17:03  
 (F) Second Final Flow 172  Mileage 17RT 23.80 Comments  
 (G) Final Shut-In 808  Sampler  
 (H) Final Hydrostatic 1,996  Straddle  Ruined Shale Packer  
 Shale Packer  Ruined Packer  
 Extra Packer  Extra Copies  
 Extra Recorder Sub Total 150-  
 Day Standby Total 1398.80  
 Accessibility 150' MP/DST Disc't  
 Sub Total 1248.80

Approved By *[Signature]* Our Representative *Chuck Smith*

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.



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202  
ATTN: Gary Doke/ Jim Musgrove 900

**S30-18-31 Scott, KS**

Job Ticket: 43147 **DST#: 2**

Test Start: 2011.06.23 @ 05:48:00

## GENERAL INFORMATION:

Formation: **LKC 'J'**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:48:30  
 Time Test Ended: 12:18:39  
 Interval: **4192.00 ft (KB) To 4240.00 ft (KB) (TVD)**  
 Total Depth: 4240.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Chuck Smith  
 Unit No: 37  
 Reference Elevations: 2981.00 ft (KB)  
 2969.00 ft (CF)  
 KB to GR/CF: 12.00 ft

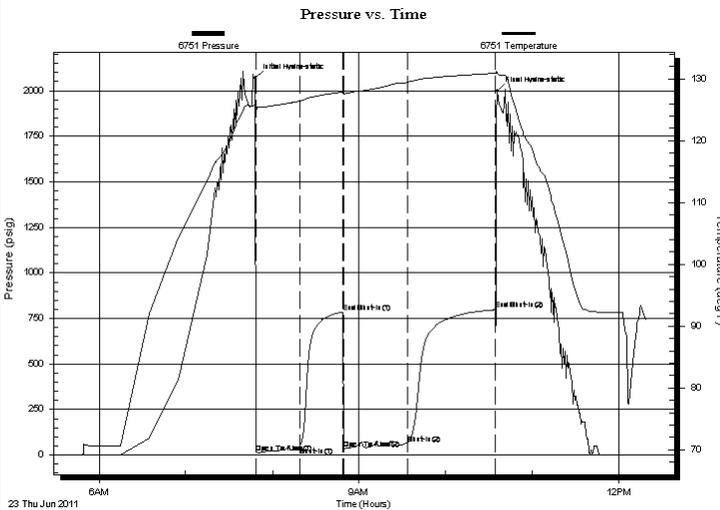
## Serial #: 6751

**Outside**

Press @ Run Depth: 58.97 psig @ 4195.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.06.23 End Date: 2011.06.23 Last Calib.: 2011.06.23  
 Start Time: 05:48:02 End Time: 12:18:40 Time On Btm: 2011.06.23 @ 07:48:20  
 Time Off Btm: 2011.06.23 @ 10:35:50

**TEST COMMENT:** 3" Building blow .  
 No return.  
 1" Blow .  
 No return.

## PRESSURE SUMMARY



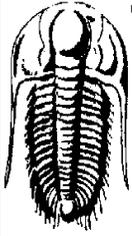
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2070.45	125.91	Initial Hydro-static
1	14.09	124.67	Open To Flow (1)
31	43.42	126.39	Shut-In(1)
60	785.49	127.85	End Shut-In(1)
61	35.18	127.51	Open To Flow (2)
106	58.97	129.47	Shut-In(2)
166	797.40	130.91	End Shut-In(2)
168	1999.64	131.09	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	OCM 10o 90m	0.30
45.00	O 100o	0.22

## Gas Rates

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



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202

**S30-18-31 Scott, KS**

ATTN: Gary Doke/ Jim Musgrove 900

Job Ticket: 43147

**DST#: 2**

Test Start: 2011.06.23 @ 05:48:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

32 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 70.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.77 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	OCM 10o 90m	0.295
45.00	O 100o	0.221

Total Length: 105.00 ft      Total Volume: 0.516 bbl

Num Fluid Samples: 0

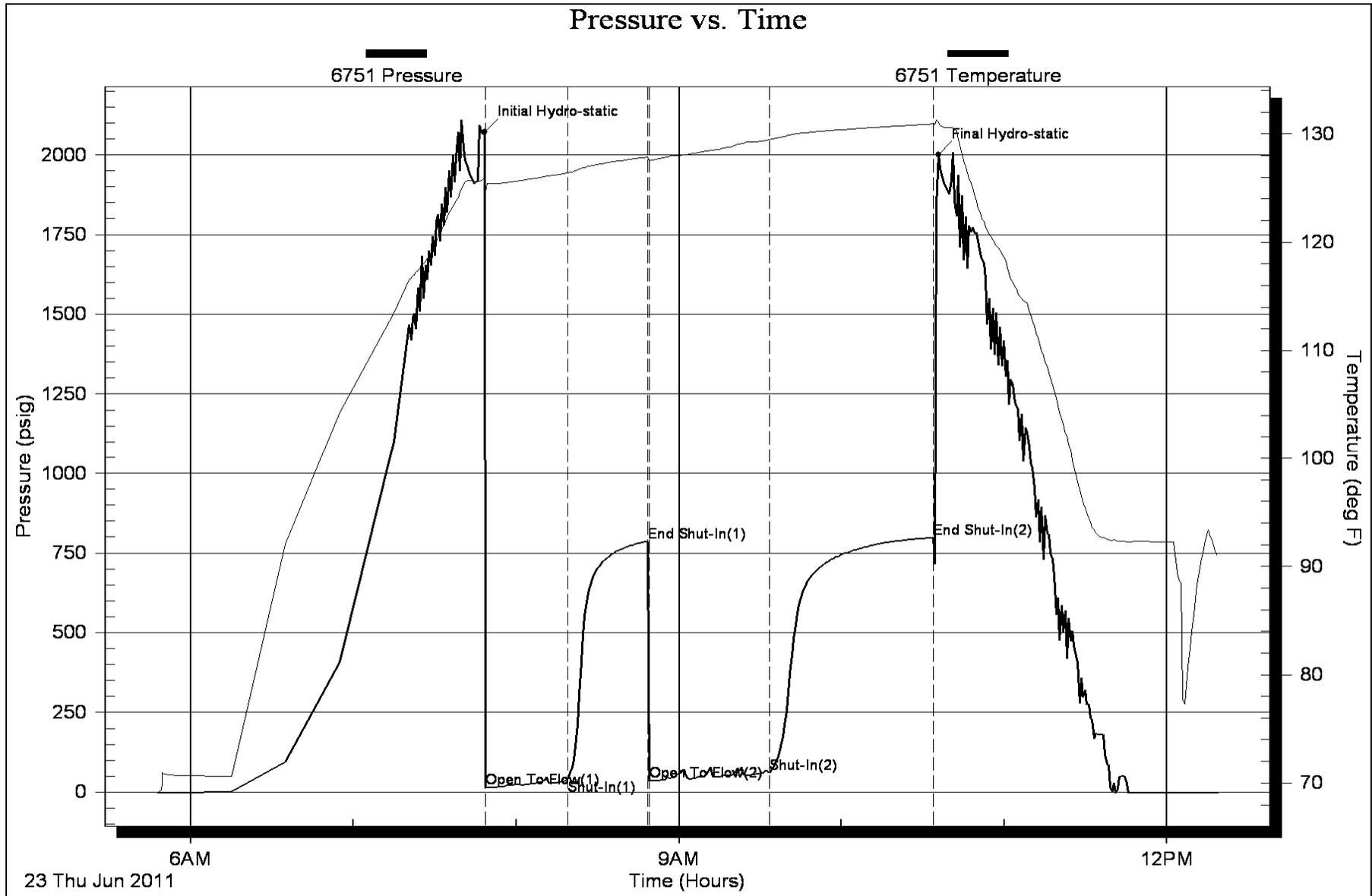
Num Gas Bombs: 0

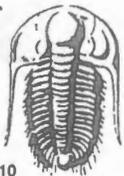
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API:35 @ 90 Degrees F = 32.





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 43147

JUN 27 2011

4/10

Well Name & No. Griffith 14A Test No. 2 Date 6-23-11  
 Company FIML Elevation 2981 KB 2969 GL  
 Address 410 177<sup>th</sup> St. Ste. 900 Denver, CO 80202  
 Co. Rep / Geo. Gary Duke Rig H2 #1  
 Location: Sec. 30 Twp. 18 Rge. 31 Co. Scott State Ks

Interval Tested 4192-4240 Zone Tested LKC 'J'  
 Anchor Length 48 Drill Pipe Run 3806 Mud Wt. 9.0  
 Top Packer Depth 4188 Drill Collars Run 372 Vis 70  
 Bottom Packer Depth 4192 Wt. Pipe Run 0 WL 8.0  
 Total Depth 4240 Chlorides 3200 ppm System LCM 4  
 Blow Description 3" Building blow  
No return.  
1" Blow.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>45</u>	Feet of <u>0</u>	%gas <u>100</u>	%oil	%water	%mud
Rec <u>60</u>	Feet of <u>OCM</u>	%gas <u>10</u>	%oil	%water <u>90</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 105 BHT 131 Gravity 32 API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic 2070  Test 1225' T-On Location 4:00  
 (B) First Initial Flow 14  Jars T-Started 5:48  
 (C) First Final Flow 43  Safety Joint T-Open 7:49  
 (D) Initial Shut-In 785  Circ Sub N/C T-Pulled 10:34  
 (E) Second Initial Flow 35  Hourly Standby T-Out 12:19  
 (F) Second Final Flow 59  Mileage 17RT 23.80 Comments  
 (G) Final Shut-In 797  Sampler  
 (H) Final Hydrostatic 2000  Straddle  Ruined Shale Packer

Initial Open 30  Shale Packer  Ruined Packer  
 Initial Shut-In 30  Extra Packer  Extra Copies  
 Final Flow 45  Extra Recorder Sub Total 150  
 Final Shut-In 60  Day Standby Total 1398.80  
 Accessibility 150' MP/DST Disc't  
 Sub Total 1248.80

Approved By [Signature] Our Representative Chuck Smith  
 TriLOBITE TESTING INC. shall not be liable for damaged or 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.



**TRILOBITE  
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# DRILL STEM TEST REPORT

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202  
ATTN: Gary Doke/ Jim Musgrove 900

**S30-18-31 Scott, KS**

Job Ticket: 43148 **DST#: 3**

Test Start: 2011.06.24 @ 03:34:00

## GENERAL INFORMATION:

Formation: **LKC 'K-L'**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:03:40

Time Test Ended: 09:45:30

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

**Interval: 4238.00 ft (KB) To 4320.00 ft (KB) (TVD)**

Total Depth: 4320.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2981.00 ft (KB)

2969.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 6751 Outside**

Press @ Run Depth: 26.17 psig @ 4241.00 ft (KB)

Start Date: 2011.06.24

End Date: 2011.06.24

Start Time: 03:34:02

End Time: 09:45:30

Capacity: 8000.00 psig

Last Calib.: 2011.06.24

Time On Btm: 2011.06.24 @ 06:02:10

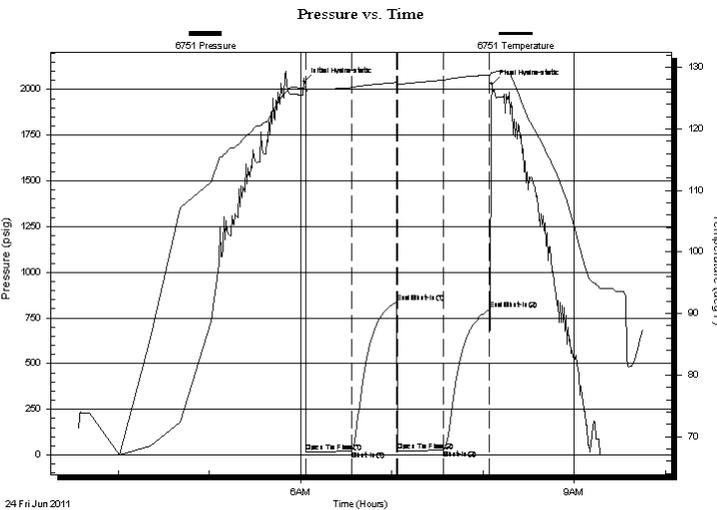
Time Off Btm: 2011.06.24 @ 08:05:39

**TEST COMMENT:** IF: Surface blow died @ 6 min.

IS: No return.

FF: No blow.

FS: No return.



## PRESSURE SUMMARY

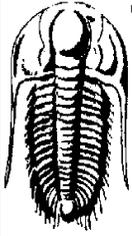
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2042.05	126.64	Initial Hydro-static
2	15.18	125.83	Open To Flow (1)
32	20.52	126.71	Shut-In(1)
62	836.78	127.55	End Shut-In(1)
62	23.16	126.97	Open To Flow (2)
92	26.17	127.92	Shut-In(2)
122	796.72	128.79	End Shut-In(2)
124	2030.95	129.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSM 100m	0.15

## Gas Rates

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



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202

**S30-18-31 Scott, KS**

ATTN: Gary Doke/ Jim Musgrove 900

Job Ticket: 43148

**DST#: 3**

Test Start: 2011.06.24 @ 03:34:00

## 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: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSM 100m	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl

Num Fluid Samples: 0

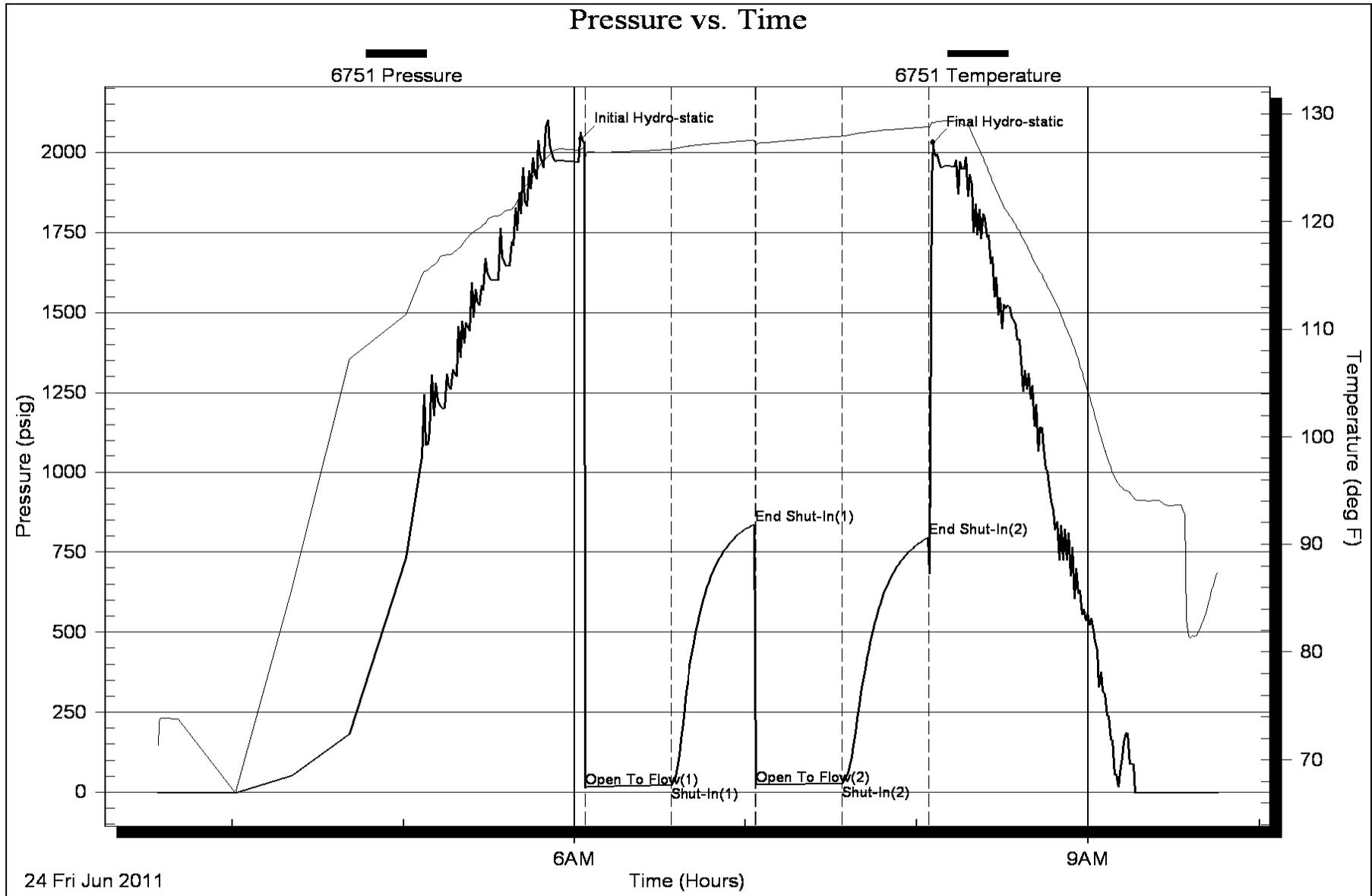
Num Gas Bombs: 0

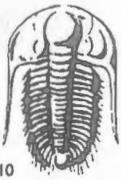
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 43148

JUN 27 2011

Well Name & No. Griffith 14A Test No. 3 Date 6-24-11  
 Company FIMI Elevation 2981 KB 2969 GL  
 Address 410 177th St. Ste. 900 Denver, CO 80202  
 Co. Rep / Geo. Jim Musgrave Rig H2#1  
 Location: Sec. 30 Twp. 18 Rge. 31 Co. Scott State Ks

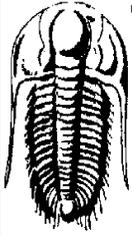
Interval Tested 4238 to 4320 Zone Tested LKC 'K-L'  
 Anchor Length 82 Drill Pipe Run 3870 Mud Wt. 9.1  
 Top Packer Depth 4234 Drill Collars Run 372 Vis 52  
 Bottom Packer Depth 4238 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4320 Chlorides 3200 ppm System LCM 4  
 Blow Description Surface blow died @ 6 min  
No return.  
No blow.  
No return.

Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>30</u>	Feet of <u>OSM</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 30 BHT 129 Gravity - API RW - @ - ° F Chlorides - ppm  
 (A) Initial Hydrostatic 2042  Test 1225 T-On Location 3:00  
 (B) First Initial Flow 15  Jars T-Started 3:34  
 (C) First Final Flow 21  Safety Joint T-Open 6:04  
 (D) Initial Shut-In 837  Circ Sub N/C T-Pulled 8:04  
 (E) Second Initial Flow 23  Hourly Standby T-Out 9:46  
 (F) Second Final Flow 26  Mileage 17RT 23.80 Comments \_\_\_\_\_  
 (G) Final Shut-In 797  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2031  Straddle \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_  
 Initial Open 30  Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer \_\_\_\_\_  
 Final Flow 30  Extra Recorder \_\_\_\_\_  
 Final Shut-In 30  Day Standby \_\_\_\_\_  
 Sub Total 1248.80  Accessibility 150' MP/DST Disc't \_\_\_\_\_  
 Total 1398.80

Approved By [Signature] Our Representative Chuck Smith

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# DRILL STEM TEST REPORT

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202  
ATTN: Gary Doke/ Jim Musgrote 900

**S30-18-31 Scott, KS**

Job Ticket: 43149 **DST#: 4**

Test Start: 2011.06.24 @ 23:15:00

## GENERAL INFORMATION:

Formation: **Marmaton, Altamont**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:46:40

Time Test Ended: 09:11:00

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

**Interval: 4305.00 ft (KB) To 4390.00 ft (KB) (TVD)**

Total Depth: 4390.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2981.00 ft (KB)

2969.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8018 Inside**

Press @ Run Depth: 862.36 psig @ 4308.00 ft (KB)

Start Date: 2011.06.24

End Date:

2011.06.25

Start Time: 23:15:02

End Time:

09:11:00

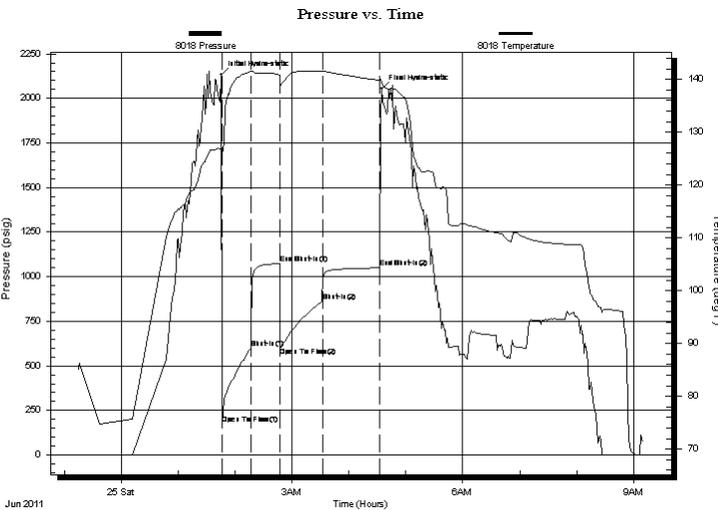
Capacity: 8000.00 psig

Last Calib.: 2011.06.25

Time On Btm: 2011.06.25 @ 01:45:30

Time Off Btm: 2011.06.25 @ 04:34:39

**TEST COMMENT:** IF: B.O.B. @ 2 1/2 min.  
IS: No return.  
FF: B.O.B. @ 3 1/2 min.  
FS: 5" Return died @ 40 min.



## PRESSURE SUMMARY

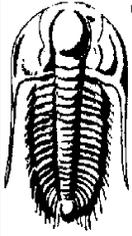
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2132.38	126.88	Initial Hydro-static
2	172.12	125.87	Open To Flow (1)
32	601.14	141.44	Shut-In(1)
62	1073.19	140.78	End Shut-In(1)
62	603.91	140.14	Open To Flow (2)
107	862.36	141.48	Shut-In(2)
167	1049.81	139.83	End Shut-In(2)
170	2053.72	139.58	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
0.00	RW: .240 @ 71 Degrees F = 28000 PPM	0.00
93.00	OCMW 10o 30m 60w	0.46
1520.00	GMWCO 30g 5m 15w 50o Emulsified	19.52
380.00	GWCO 50g 20w 30o Emulsified	5.56
60.00	GO 70g 30o Emulsion	0.88

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

FIML Natural Resources

**Griffith #14A**

410 177th Street  
Suite 900  
Denver, CO 80202

**S30-18-31 Scott, KS**

ATTN: Gary Doke/ Jim Musgrove 900

Job Ticket: 43149

**DST#: 4**

Test Start: 2011.06.24 @ 23:15:00

## 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:

28000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.20 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbf
0.00	RW: .240 @ 71 Degrees F = 28000 PPM	0.000
93.00	OCMW 10o 30m 60w	0.457
1520.00	GMWCO 30g 5m 15w 50o Emulsified	19.521
380.00	GWCO 50g 20w 30o Emulsified	5.557
60.00	GO 70g 30o Emulsion	0.877

Total Length: 2053.00 ft

Total Volume: 26.412 bbl

Num Fluid Samples: 0

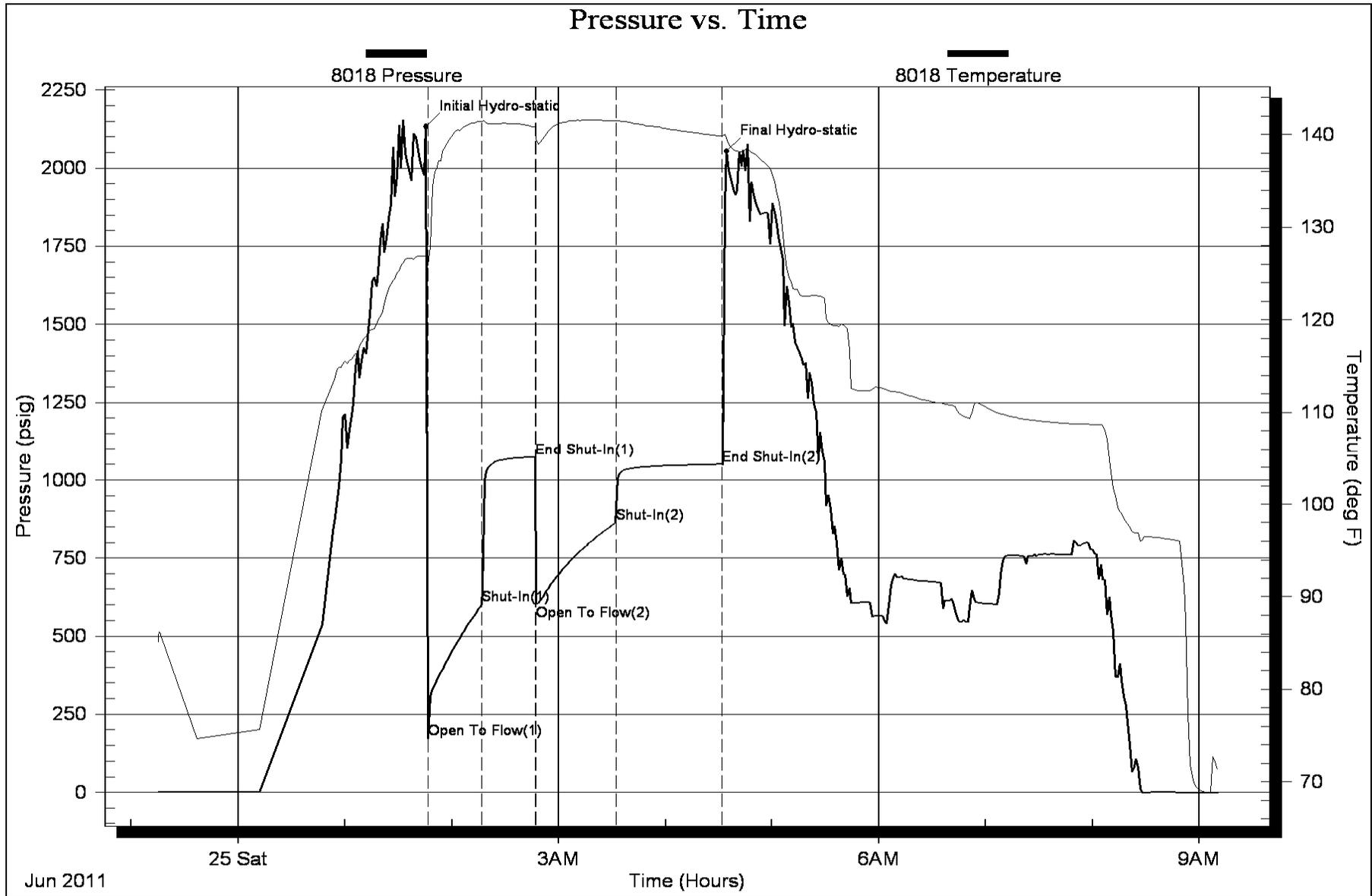
Num Gas Bombs: 0

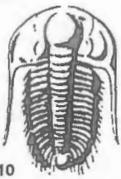
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 43149

JUN 29 2011

Well Name & No. Griffith 14A Test No. 4 Date 6-24-11  
 Company FIML Elevation 2981 KB 2969 GL  
 Address 410 177th St. Ste. 900 Denver, CO 80202  
 Co. Rep / Geo. Josh Austin / Gacy Duke Rig H2<sup>nd</sup>  
 Location: Sec. 30 Twp. 18 Rge. 31 Co. Scott State Ks

Interval Tested 4305-4390 Zone Tested Marmaton, Atamont  
 Anchor Length 85 Drill Pipe Run 3934 Mud Wt. 9.2  
 Top Packer Depth 4301 Drill Collars Run 372 Vis 54  
 Bottom Packer Depth 4305 Wt. Pipe Run 0 WL 7.2  
 Total Depth 4390 Chlorides 1,800 ppm System LCM 4  
 Blow Description B.O.B. @ 2 1/2 min  
No return  
B.O.B. @ 3 1/2 min.  
5" Return died @ 40 min.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>60 Emulsion</u>	<u>70</u>	<u>30</u>		
<u>380</u>	<u>GWCO Emulsion</u>	<u>50</u>	<u>30</u>	<u>20</u>	
<u>1.520</u>	<u>GMWCO Emulsion</u>	<u>30</u>	<u>20</u>	<u>50</u>	<u>15</u>
<u>93</u>	<u>OCMW</u>		<u>10</u>	<u>60</u>	<u>30</u>

Rec Total 2053 BHT 140 Gravity — API RW .240 @ 71 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic <u>2132</u>	<input checked="" type="checkbox"/> Test <u>1225'</u>	T-On Location <u>23:15</u>
(B) First Initial Flow <u>172</u>	<input type="checkbox"/> Jars	T-Started <u>23:15</u>
(C) First Final Flow <u>601</u>	<input type="checkbox"/> Safety Joint	T-Open <u>1:49</u>
(D) Initial Shut-In <u>1073</u>	<input checked="" type="checkbox"/> Circ Sub <u>50'</u>	T-Pulled <u>4:32</u>
(E) Second Initial Flow <u>604</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>9:11</u>
(F) Second Final Flow <u>862</u>	<input checked="" type="checkbox"/> Mileage <u>17 RT 23.8</u>	Comments <u>No test 6-26</u>
(G) Final Shut-In <u>1050</u>	<input type="checkbox"/> Sampler	<u>Picked up tool 10:00am</u>
(H) Final Hydrostatic <u>2054</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Final Flow <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>150</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1348.80 1472.80</u>
	<input checked="" type="checkbox"/> Accessibility <u>150'</u>	MP/DST Disc't
	Sub Total <u>1298.80 + 23.80</u>	

Approved By

*[Signature]*

Our Representative

*[Signature]*