

## DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

201 Main  
PO Drawer 150  
Bogue KS 67625

ATTN: Mike Davion

**26 7 21W Graham KS**

**Holsman #1**

Start Date: 2007.10.07 @ 23:58:55

End Date: 2007.10.08 @ 06:10:34

Job Ticket #: 29232                      DST #: 1

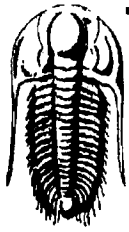
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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







**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Blake Exploration LLC

**Holsman #1**

201 Main  
PO Drawer 150  
Bogue KS 67625  
ATTN: Mike Davion

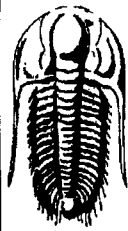
**26 7 21W Graham KS**  
Job Ticket: 29232      **DST#: 1**  
Test Start: 2007.10.07 @ 23:58:55

**Tool Information**

Drill Pipe:	Length: 3265.00 ft	Diameter: 3.80 inches	Volume: 45.80 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: 25000.00 lb
Drill Collar:	Length: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 45.95 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3295.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	55.00 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			3280.00	
Hydraulic tool	5.00			3285.00	
Packer	5.00			3290.00	20.00      Bottom Of Top Packer
Packer	5.00			3295.00	
Stubb	1.00			3296.00	
Recorder	0.00	6799	Inside	3296.00	
Recorder	0.00	8352	Outside	3296.00	
Perforations	31.00			3327.00	
Bullnose	3.00			3330.00	35.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>55.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Blake Exploration LLC

**Holsman #1**

201 Main  
PO Draw er 150  
Bogue KS 67625  
ATTN: Mike Davion

**26 7 21W Graham KS**  
Job Ticket: 29232      **DST#: 1**  
Test Start: 2007.10.07 @ 23:58:55

## 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: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OSWM 1%O 35%W 64%M	0.148
30.00	OCWM 5%O 25%W 75%M	0.421
20.00	WOCM 5%W 15%O 80%M	0.281
10.00	Clean Oil 100%O	0.140
0.00	Gravity=36 API Chl=50,500ppm	0.000

Total Length: 90.00 ft      Total Volume: 0.990 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:

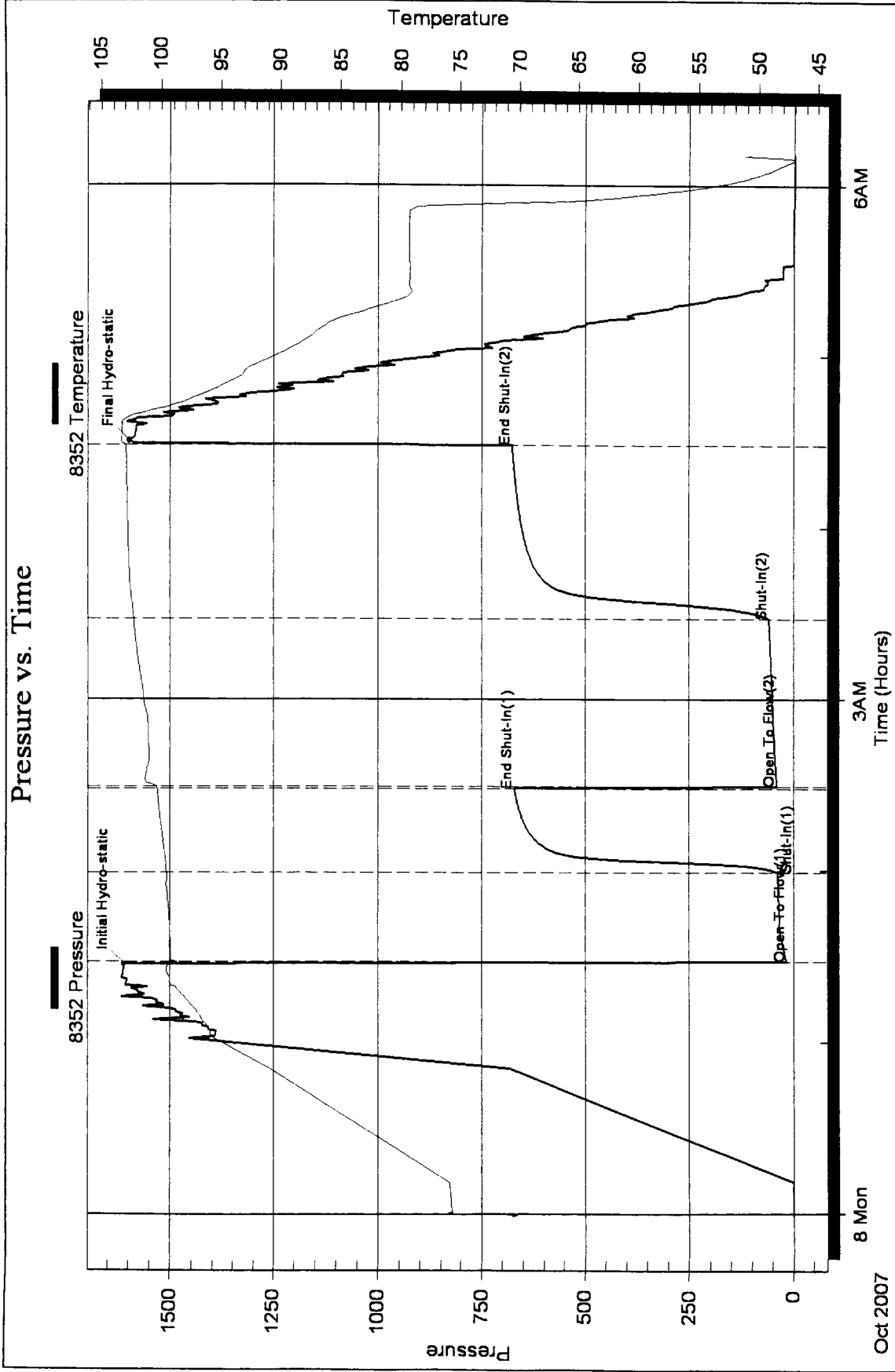
Serial #: 8352

Outside Blake Exploration LLC

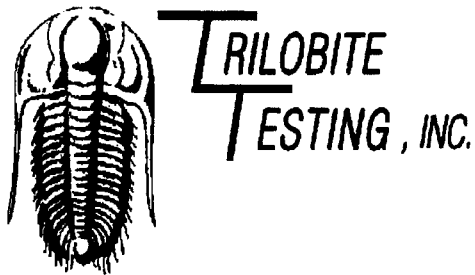
26 7 21W Graham KS

DST Test Number: 1

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Blake Exploration LLC**

201 Main  
PO Drawer 150  
Bogue KS 67625

ATTN: Mike Davion

**26 7 21W Graham KS**

**Holsman #1**

Start Date: 2007.10.08 @ 10:43:29

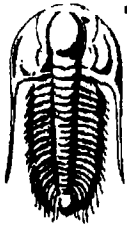
End Date: 2007.10.08 @ 18:06:59

Job Ticket #: 29233                      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

**TOOL DIAGRAM**

Blake Exploration LLC

**Holsman #1**

201 Main  
PO Drawer 150  
Bogue KS 67625  
ATTN: Mke Davion

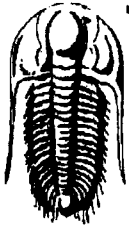
**26 7 21W Graham KS**  
Job Ticket: 29233      **DST#: 2**  
Test Start: 2007.10.08 @ 10:43:29

### Tool Information

Drill Pipe:	Length: 3296.00 ft	Diameter: 3.80 inches	Volume: 46.23 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 46.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3321.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	19.00 ft			
Tool Length:	39.00 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			3306.00	
Hydraulic tool	5.00			3311.00	
Packer	5.00			3316.00	20.00      Bottom Of Top Packer
Packer	5.00			3321.00	
Stubb	1.00			3322.00	
Recorder	0.00	6799	Inside	3322.00	
Recorder	0.00	8352	Outside	3322.00	
Perforations	15.00			3337.00	
Bullnose	3.00			3340.00	19.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>39.00</b>				



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Blake Exploration LLC

**Holsman #1**

201 Main  
PO Drawer 150  
Bogue KS 67625  
ATTN: Mike Davion

**26 7 21W Graham KS**  
Job Ticket: 29233      **DST#: 2**  
Test Start: 2007.10.08 @ 10:43:29

## 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: bbl		
Water Loss: 7.19 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1800.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

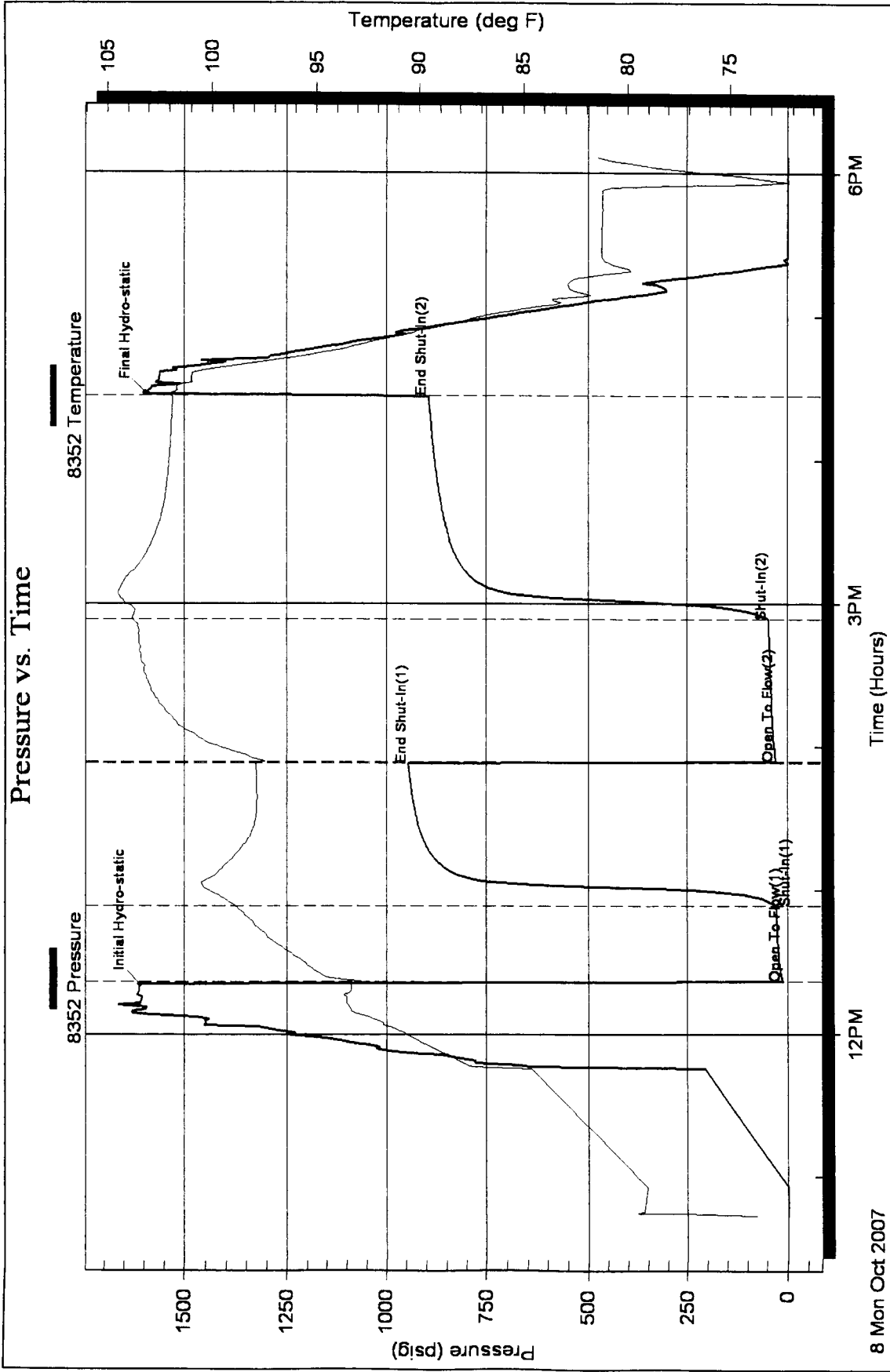
Length ft	Description	Volume bbl
45.00	MO 45%M 55%O	0.358
55.00	G Clean O 20%G 80%O	0.772
0.00	210' GIP 34 gravity	0.000

Total Length: 100.00 ft      Total Volume: 1.130 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



Serial #: 6799

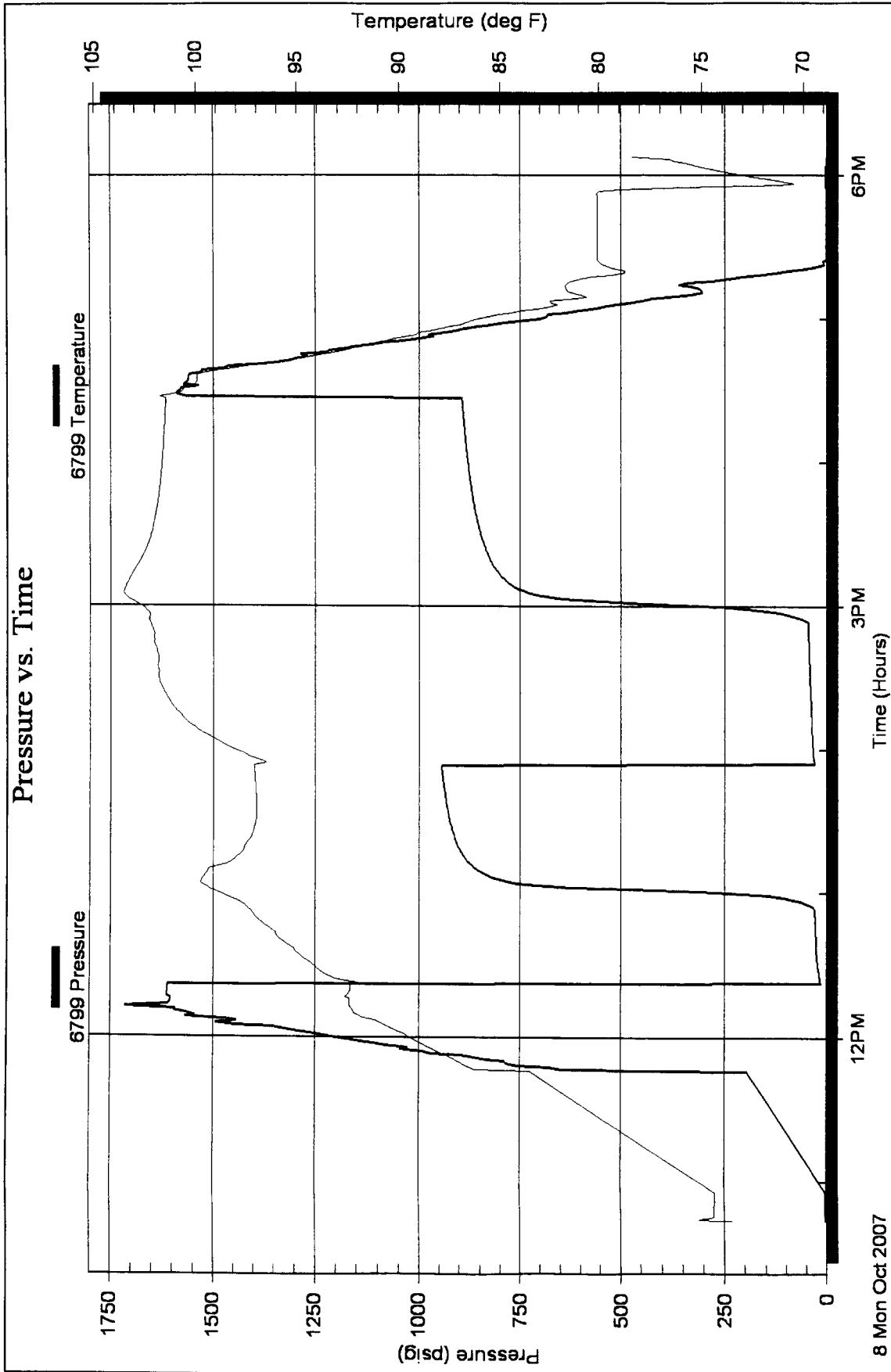
Inside

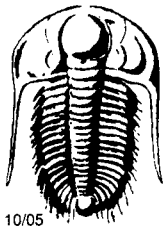
Blake Exploration LLC

26 7 21W Graham KS

DST Test Number: 2

### Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

29232

10/14/07

RECEIVED  
OCT 15 2007

## Test Ticket

BY: \_\_\_\_\_

Well Name & No. Holsman 1 Test No. 1 Date 10-8-07  
 Company Blake Exploration, LLC Zone Tested L, KC "C"  
 Address 201 Main, P.O. Drawer 150, Bogue, KS 67625 Elevation 2039 KB 2032 GL  
 Co. Rep / Geo. Mike Davian Rig Discovery Rig #1  
 Location: Sec. 26 Twp. 7S Rge. 21W Co. Graham State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3295-3330 Initial Str Wt./Lbs. 45000 Unseated Str Wt./Lbs. 45000  
 Anchor Length 35 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 62000  
 Top Packer Depth 3290 Tool Weight 8100  
 Bottom Packer Depth 3295 Hole Size 7 7/8" Yes Rubber Size 6 3/4" Yes  
 Total Depth 3330 Wt. Pipe Run None Drill Collar Run 30 4" H-90  
 Mud Wt. 9.0 LCM 1/2 Vis. 56 WL 7.2 Drill Pipe Size 4 1/2" XH Ft. Run 3265

Blow Description IF: weak blow, built to 4" in bucket.  
ISF: Bled off, no blowback.  
FF: weak blow, built to 6" in bucket.  
FSF: Bled off, no blowback.

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP
<u>90</u>	<u>0</u>	<u>30</u>	<u>60</u>
Rec. <u>10</u> Feet of <u>Clean Oil</u>	%gas <u>100</u> %oil _____ %water _____ %mud _____		
Rec. <u>20</u> Feet of <u>WOCM</u>	%gas <u>15</u> %oil <u>5</u> %water <u>80</u> %mud _____		
Rec. <u>30</u> Feet of <u>OCWM</u>	%gas <u>5</u> %oil <u>25</u> %water <u>70</u> %mud _____		
Rec. <u>30</u> Feet of <u>OSWM</u>	%gas <u>1</u> %oil <u>35</u> %water <u>64</u> %mud _____		
Rec. _____ Feet of _____	%gas _____ %oil _____ %water _____ %mud _____		
BHT <u>103</u> °F Gravity <u>35</u>	*API D @ <u>50</u>	*F Corrected Gravity <u>36</u>	*API _____
RW <u>.21 Ω</u> @ <u>50</u> °F	Chlorides <u>50,500</u> ppm Recovery _____	Chlorides <u>1400</u> ppm	System _____

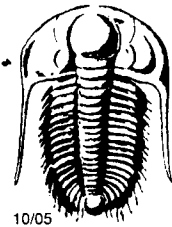
AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>1610</u> PSI	<u>6799</u>	<u>1100</u>
(B) First Initial Flow Pressure	<u>15</u> PSI	(depth) <u>3296</u>	Jars _____
(C) First Final Flow Pressure	<u>38</u> PSI	Recorder No. <u>8352</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>671</u> PSI	(depth) <u>3296</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>40</u> PSI	Recorder No. _____	Sampler _____
(F) Second Final Flow Pressure	<u>59</u> PSI	(depth) _____	Straddle _____
(G) Final Shut-In Pressure	<u>676</u> PSI	Initial Opening <u>30</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>1598</u> PSI	Initial Shut-In <u>30</u>	Shale Packer _____

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

Our Representative Scott E. Schreiner  
Thank you!

Final Flow	<u>60</u>	Ruined Packer	_____
Final Shut-In	<u>60</u>	Mileage	<u>170 R.T. 212.5</u>
T-On Location	<u>2315</u>	Sub Total:	<u>1312.50</u>
T-Started	<u>0002</u>	Std. By	_____ ✓
T-Open	<u>0128</u>	Acc. Chg:	_____
T-Pulled	<u>0428</u>	Other:	_____
T-Out	<u>0615</u>	Total:	_____



# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

29233

RECEIVED  
OCT 15 2007

## Test Ticket

BY: \_\_\_\_\_

Well Name & No. Holsman 1 Test No. 2 Date 8 Oct 2007  
 Company Blake Exploration, LLC Zone Tested L, KC "D"  
 Address 201 Main, P.O. Drawer 150, Bogue, KS 67625 Elevation 2089 KB 2032 GL  
 Co. Rep / Geo. Mike Davison Rig Discovery Rig #1  
 Location: Sec. 26 Twp. 7S Rge. 21W Co. Graham State KS  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 3321-3340 Initial Str Wt./Lbs. 46,000 Unseated Str Wt./Lbs. 48,000  
 Anchor Length 19 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 64,000  
 Top Packer Depth 3316 Tool Weight 2100  
 Bottom Packer Depth 3321 Hole Size 7 7/8" Yes Rubber Size 6 3/4" Yes  
 Total Depth 3340 Wt. Pipe Run None Drill Collar Run 30  
 Mud Wt. 9.1 LCM TR Vis. 52 WL 7.2 Drill Pipe Size 4 1/2" XH Ft. Run 3296  
 Blow Description IF: Fair blow, built to 8 1/4" in bucket.

IS: Bled off, blowback built to 1/2" in bucket.  
FF: Fair blow, BOB 39 minutes.  
FSI: Bled off, blowback built to 1/2" in bucket.

Recovery - Total Feet 100 GIP 210 Ft. in DC 30 Ft. in DP 70  
 Rec. 55 Feet of Gassy Clean Oil 20% gas 80 %oil — %water — %mud  
 Rec. 45 Feet of MO — %gas 55 %oil — %water 45 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil \_\_\_\_\_ %water \_\_\_\_\_ %mud  
 BHT 102 °F Gravity 35 °API D @ 70 °F Corrected Gravity 34 °API  
 RW NA @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery \_\_\_\_\_ Chlorides 1800 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud		<u>1610</u> PSI	<u>6799</u>	<u>1100</u>
(B) First Initial Flow Pressure		<u>12</u> PSI	<u>3322</u>	Jars <u>—</u>
(C) First Final Flow Pressure		<u>28</u> PSI	<u>8352</u>	Safety Jt. <u>—</u>
(D) Initial Shut-In Pressure		<u>944</u> PSI	<u>3322</u>	Circ Sub <u>—</u>
(E) Second Initial Flow Pressure		<u>28</u> PSI	Recorder No. <u>—</u>	Sampler <u>—</u>
(F) Second Final Flow Pressure		<u>46</u> PSI	(depth) <u>—</u>	Straddle <u>—</u>
(G) Final Shut-In Pressure		<u>893</u> PSI	Initial Opening <u>30</u>	Ext. Packer <u>—</u>
(Q) Final Hydrostatic Mud		<u>1596</u> PSI	Initial Shut-In <u>60</u>	Shale Packer <u>—</u>

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Final Flow 60  
 Final Shut-In 90  
 T-On Location 1045  
 T-Started 1050  
 T-Open 1221  
 T-Pulled 1626  
 T-Out 1800  
 Mileage 170 RT. 212.50  
 Sub Total: 1312.50  
 Std. By —  
 Acc. Chg: —  
 Other: \_\_\_\_\_  
 Total: \_\_\_\_\_

Approved By \_\_\_\_\_  
 Our Representative Scott E. Schrenk  
Thacker 1