

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

## DRILL STEM TEST REPORT

Prepared For: **Fremont Exploration**

12412 St Andrews Dr  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**23 6 26 Sheridan KS**

**Slipke #1**

Start Date: 2007.07.14 @ 23:13:23

End Date: 2007.07.15 @ 06:44:23

Job Ticket #: 27808                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Fremont Exploration

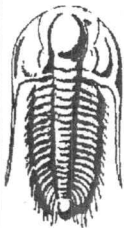
Slipke #1

23 6 26 Sheridan KS

DST # 1

"B,C,F"

2007.07.14



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Fremont Exploration

12412 St Andrews Dr  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Slipke #1**

**23 6 26 Sheridan KS**

Job Ticket: 27808

DST#: 1

Test Start: 2007.07.14 @ 23:13:23

## GENERAL INFORMATION:

Formation: "B,C,F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:52:53

Time Test Ended: 06:44:23

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 22

Interval: 3698.00 ft (KB) To 3766.00 ft (KB) (TVD)

Total Depth: 3766.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2613.00 ft (KB)

2608.00 ft (CF)

KB to GR/CF: 5.00 ft

**Serial #: 6799** Inside

Press@RunDepth: 256.47 psig @ 3699.00 ft (KB)

Start Date: 2007.07.14

End Date:

2007.07.15

Start Time: 23:13:25

End Time:

06:44:23

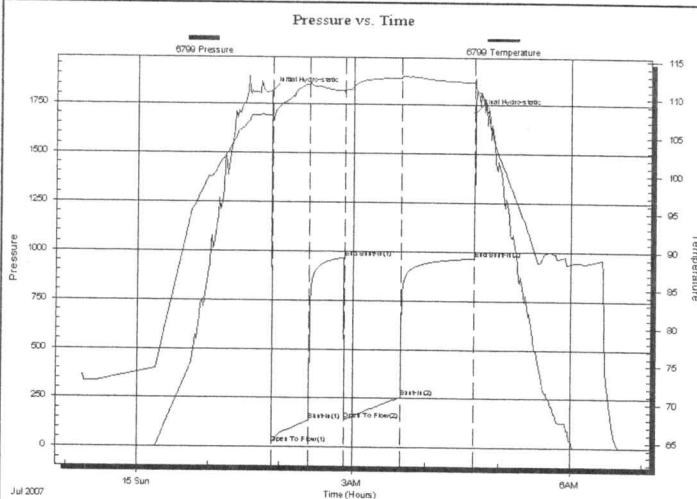
Capacity: 7000.00 psig

Last Calib.: 2007.07.15

Time On Btm: 2007.07.15 @ 01:52:43

Time Off Btm: 2007.07.15 @ 04:40:03

TEST COMMENT: IF Fair blow built to BOB in 14 minutes.  
ISI Bled off no blow back  
FF Fair blow built to BOB in 18 minutes.  
FSI Bled off no blow back



## PRESSURE SUMMARY

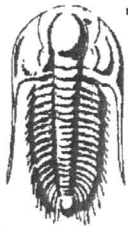
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1813.00	107.81	Initial Hydro-static
1	17.77	107.13	Open To Flow (1)
31	135.59	111.83	Shut-In(1)
60	966.38	111.03	End Shut-In(1)
61	139.36	110.61	Open To Flow (2)
106	256.47	112.74	Shut-In(2)
168	965.97	112.16	End Shut-In(2)
168	1708.24	112.72	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
370.00	Salt water 100%W	4.10
125.00	WCM 40%W 60%M	1.75
35.00	VSOSWCM >1%O 10%W <89%M	0.49
0.00	RW=.19 OHMS@66degF=41500ppmCh	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Fremont Exploration

**Slipke #1**

12412 St Andrew s Dr  
Oklahoma City OK 73120

**23 6 26 Sheridan KS**

Job Ticket: 27808

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2007.07.14 @ 23:13:23

### Tool Information

Drill Pipe:	Length: 3566.00 ft	Diameter: 3.80 inches	Volume: 50.02 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 83000.00 lb
		Total Volume: 50.61 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3698.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	91.00 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			3680.00	
Hydraulic tool	5.00			3685.00	
Safety Joint	3.00			3688.00	
Packer	5.00			3693.00	23.00 Bottom Of Top Packer
Packer	5.00			3698.00	
Stubb	1.00			3699.00	
Recorder	0.00	6799	Inside	3699.00	
Perforations	31.00			3730.00	
Blank Spacing	33.00			3763.00	
Recorder	0.00	10270	Outside	3763.00	
Bullnose	3.00			3766.00	68.00 Bottom Packers & Anchor

**Total Tool Length: 91.00**



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# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Fremont Exploration

**Slipke #1**

12412 St Andrews Dr  
Oklahoma City OK 73120

**23 6 26 Sheridan KS**

Job Ticket: 27808

**DST#: 1**

ATTN: Larry Nicholson

Test Start: 2007.07.14 @ 23:13:23

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 6.39 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 1200.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
370.00	Salt water 100%W	4.097
125.00	WCM 40%W 60%M	1.753
35.00	VSOSWCM >1%O 10%W <89%M	0.491
0.00	RW=.19 OHMS@66degF=41500ppmChl	0.000

Total Length: 530.00 ft      Total Volume: 6.341 bbl

Num Fluid Samples: 0

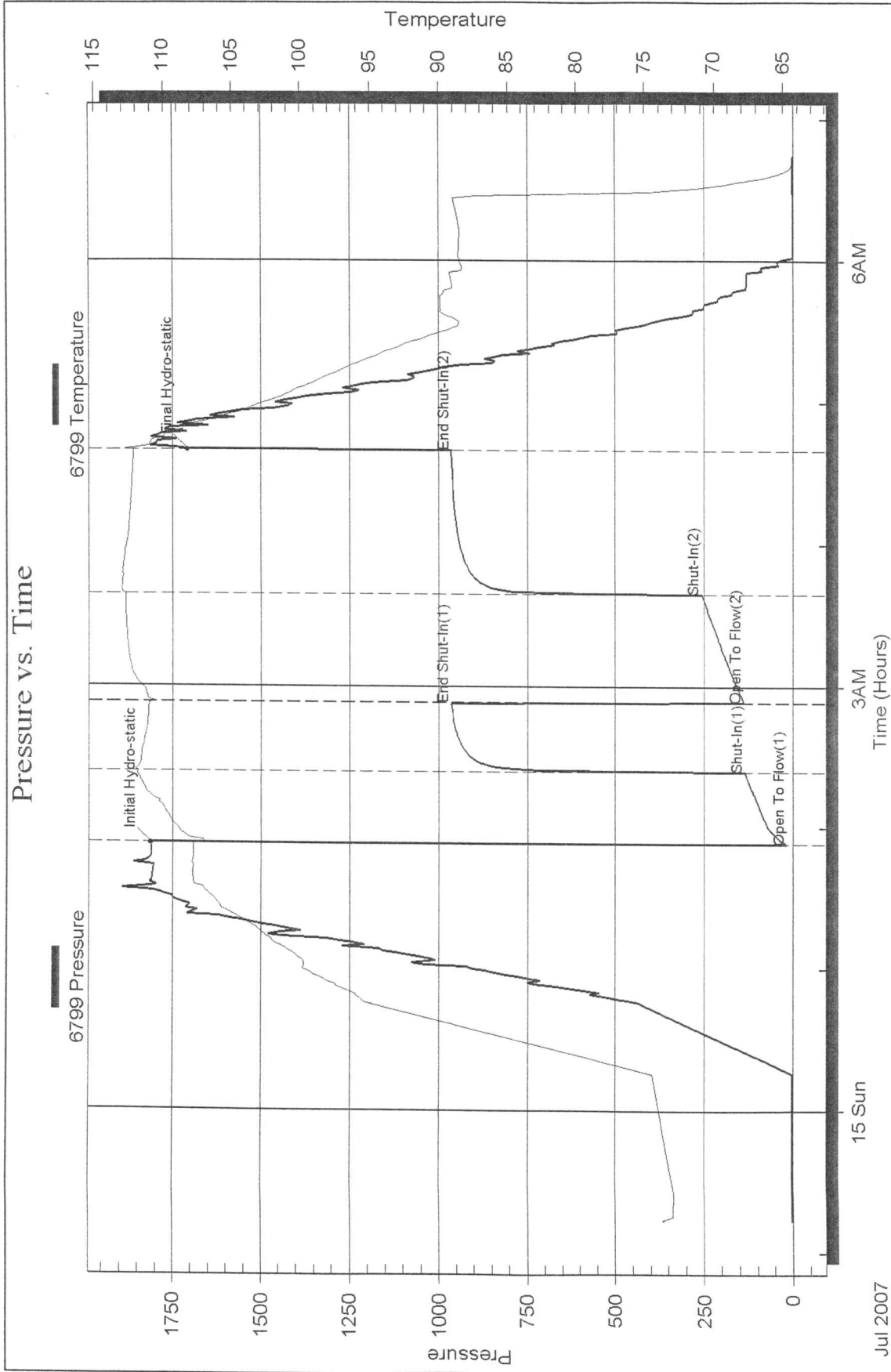
Num Gas Bombs: 0

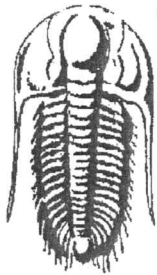
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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## DRILL STEM TEST REPORT

Prepared For: **Fremont Exploration**

12412 St Andrews Dr  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**23 6 26 Sheridan KS**

**Slipke #1**

Start Date: 2007.07.15 @ 17:57:32

End Date: 2007.07.16 @ 00:29:22

Job Ticket #: 27809                      DST #: 2

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

Fremont Exploration

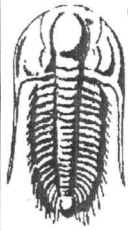
Slipke #1

23 6 26 Sheridan KS

DST # 2

"H,I,J"

2007.07.15



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Fremont Exploration  
 12412 St Andrews Dr  
 Oklahoma City OK 73120  
 ATTN: Larry Nicholson

**Slipke #1**  
**23 6 26 Sheridan KS**  
 Job Ticket: 27809      DST#: 2  
 Test Start: 2007.07.15 @ 17:57:32

## GENERAL INFORMATION:

Formation: "H,I,J"  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 19:31:02  
 Time Test Ended: 00:29:22

Test Type: Conventional Bottom Hole  
 Tester: Jake Fahrenbruch  
 Unit No: 22

Interval: 3796.00 ft (KB) To 3852.00 ft (KB) (TVD)  
 Total Depth: 3852.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair

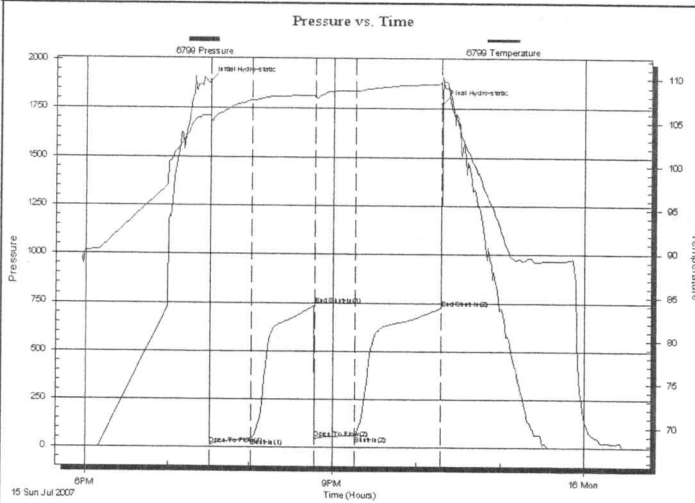
Reference Elevations: 2613.00 ft (KB)  
 2608.00 ft (CF)  
 KB to GR/CF: 5.00 ft

## Serial #: 6799 Inside

Press@RunDepth: 63.39 psig @ 3797.00 ft (KB)  
 Start Date: 2007.07.15 End Date: 2007.07.16  
 Start Time: 17:57:34 End Time: 00:29:21

Capacity: 7000.00 psig  
 Last Calib.: 2007.07.16  
 Time On Btm: 2007.07.15 @ 19:30:52  
 Time Off Btm: 2007.07.15 @ 22:17:42

TEST COMMENT: IF Fair blow built to 8" in bucket.  
 ISI Bled off no blow back  
 FF Fair blow built to 9" in bucket  
 FSI Bled off no blow back



## PRESSURE SUMMARY

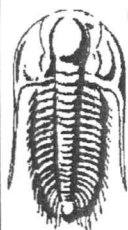
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1893.43	105.74	Initial Hydro-static
1	13.11	105.13	Open To Flow (1)
31	46.50	107.56	Shut-In(1)
76	735.79	108.11	End Shut-In(1)
77	48.52	107.82	Open To Flow (2)
105	63.39	108.61	Shut-In(2)
167	722.68	109.45	End Shut-In(2)
167	1776.02	110.29	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	G&OCM 5%G 15%O 80%M	0.30
40.00	G&OCM 10%G 20%O 70%M	0.20
30.00	Clean Oil 100%O (grav.= 35 API)	0.24

## Gas Rates

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



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## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Fremont Exploration  
12412 St Andrews Dr  
Oklahoma City OK 73120  
ATTN: Larry Nicholson

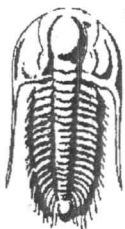
**Slipke #1**  
**23 6 26 Sheridan KS**  
Job Ticket: 27809      **DST#: 2**  
Test Start: 2007.07.15 @ 17:57:32

### Tool Information

Drill Pipe:	Length: 3660.00 ft	Diameter: 3.80 inches	Volume: 51.34 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume: 51.93 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial	55000.00 lb
Depth to Top Packer:	3796.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	56.00 ft				
Tool Length:	79.00 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			3778.00	
Hydraulic tool	5.00			3783.00	
Safety Joint	3.00			3786.00	
Packer	5.00			3791.00	23.00      Bottom Of Top Packer
Packer	5.00			3796.00	
Stubb	1.00			3797.00	
Recorder	0.00	6799	Inside	3797.00	
Perforations	19.00			3816.00	
Blank Spacing	33.00			3849.00	
Recorder	0.00	10270	Outside	3849.00	
Bullnose	3.00			3852.00	56.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>79.00</b>				



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**FLUID SUMMARY**

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ATTN: Larry Nicholson

**Slipke #1**  
**23 6 26 Sheridan KS**  
Job Ticket: 27809      **DST#: 2**  
Test Start: 2007.07.15 @ 17:57:32

## Mud and Cushion Information

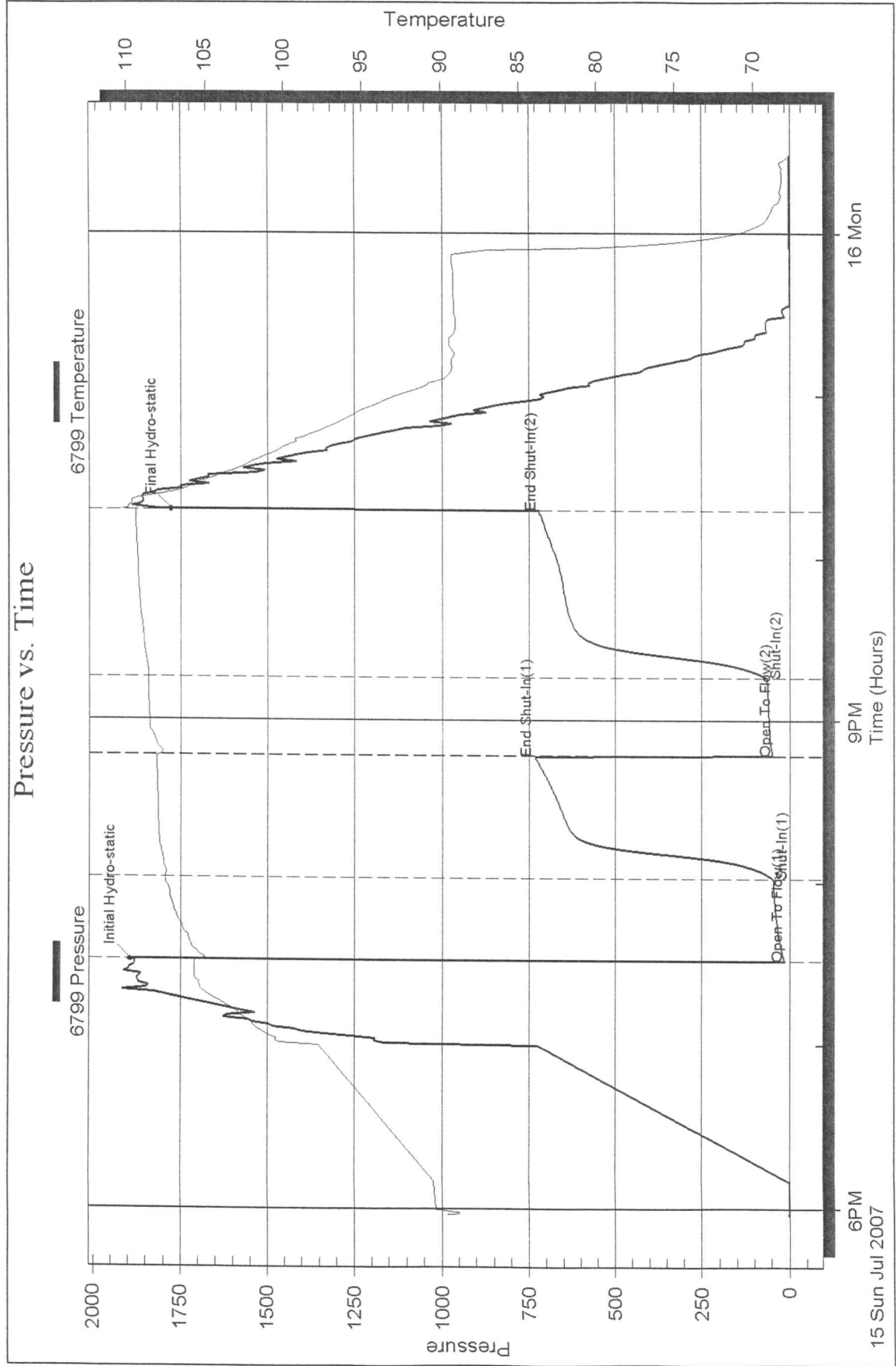
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: inches			

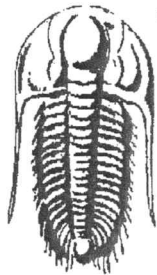
## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	G&OCM 5%G 15%O 80%M	0.295
40.00	G&OCM 10%G 20%O 70%M	0.197
30.00	Clean Oil 100%O (grav.= 35 API)	0.239

Total Length: 130.00 ft      Total Volume: 0.731 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:





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## DRILL STEM TEST REPORT

Prepared For: **Fremont Exploration**

12412 St Andrews Dr  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**23 6 26 Sheridan KS**

**Slipke #1**

Start Date: 2007.07.16 @ 09:17:24

End Date: 2007.07.16 @ 16:38:33

Job Ticket #: 27810                      DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Fremont Exploration

Slipke #1

23 6 26 Sheridan KS

DST # 3

"K,L"

2007.07.16



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Fremont Exploration

12412 St Andrew s Dr  
Oklahoma City OK 73120

ATTN: Larry Nicholson

**Slipke #1**

**23 6 26 Sheridan KS**

Job Ticket: 27810

**DST#: 3**

Test Start: 2007.07.16 @ 09:17:24

## GENERAL INFORMATION:

Formation: "k,L"  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:46:14  
Time Test Ended: 16:38:33

Test Type: Conventional Bottom Hole  
Tester: Jake Fahrenbruch  
Unit No: 22

Interval: 3851.00 ft (KB) To 3922.00 ft (KB) (TVD)  
Total Depth: 3922.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2613.00 ft (KB)  
2608.00 ft (CF)  
KB to GR/CF: 5.00 ft

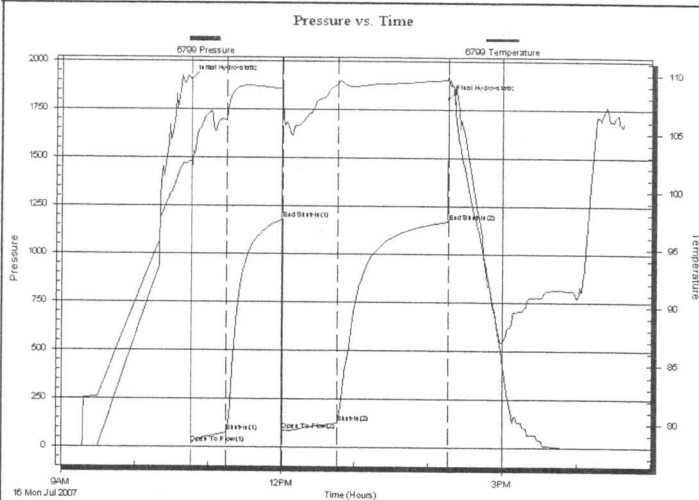
## Serial #: 6799

Inside

Press@RunDepth: 124.59 psig @ 3852.00 ft (KB)  
Start Date: 2007.07.16 End Date: 2007.07.16  
Start Time: 09:17:26 End Time: 16:38:34

Capacity: 7000.00 psig  
Last Calib.: 2007.07.16  
Time On Btm: 2007.07.16 @ 10:46:04  
Time Off Btm: 2007.07.16 @ 14:16:34

TEST COMMENT: IF Fairly strong blow BOB 17.5 minutes.  
ISI Bled off weak blow back built to 1" in bucket.  
FF Fairly strong blow BOB 18 minutes.  
FSI Bled off blow back built to 1.5" in bucket.



## PRESSURE SUMMARY

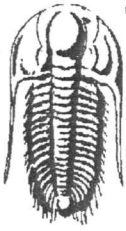
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1907.25	102.60	Initial Hydro-static
1	17.32	101.82	Open To Flow (1)
30	73.67	106.08	Shut-In(1)
75	1180.32	108.83	End Shut-In(1)
76	86.17	107.78	Open To Flow (2)
120	124.59	109.21	Shut-In(2)
211	1170.69	109.59	End Shut-In(2)
211	1809.10	109.95	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	GCWOCM 24%G 3%W 13%O 60%M	0.59
50.00	Gassy Oily Mud 30%G 26%O 44%M	0.70
90.00	Clean Oil 100%O	1.26
0.00	300' GIP (grav = 36 corrected)	0.00

## Gas Rates

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



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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Fremont Exploration  
12412 St Andrews Dr  
Oklahoma City OK 73120  
ATTN: Larry Nicholson

**Slipke #1**  
**23 6 26 Sheridan KS**  
Job Ticket: 27810      **DST#: 3**  
Test Start: 2007.07.16 @ 09:17:24

**Tool Information**

Drill Pipe:	Length: 3721.00 ft	Diameter: 3.80 inches	Volume: 52.20 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 82000.00 lb
		<b>Total Volume:</b>	<b>52.79 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 55000.00 lb
Depth to Top Packer:	3851.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	71.00 ft			
Tool Length:	94.00 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			3833.00	
Hydraulic tool	5.00			3838.00	
Safety Joint	3.00			3841.00	
Packer	5.00			3846.00	23.00 Bottom Of Top Packer
Packer	5.00			3851.00	
Stubb	1.00			3852.00	
Recorder	0.00	6799	Inside	3852.00	
Perforations	34.00			3886.00	
Blank Spacing	33.00			3919.00	
Recorder	0.00	10270	Outside	3919.00	
Bullnose	3.00			3922.00	71.00 Bottom Packers & Anchor

**Total Tool Length: 94.00**



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**Slipke #1**  
**23 6 26 Sheridan KS**  
Job Ticket: 27810      **DST#: 3**  
Test Start: 2007.07.16 @ 09:17:24

## 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: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1900.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GCWOCM 24%G 3%W 13%O 60%M	0.590
50.00	Gassy Oily Mud 30%G 26%O 44%M	0.701
90.00	Clean Oil 100%O	1.262
0.00	300' GIP (grav= 36 corrected)	0.000

Total Length: 260.00 ft      Total Volume: 2.553 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

### Pressure vs. Time

