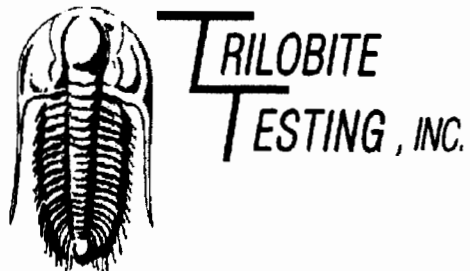


15-065-23437

29-10s-21w



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling**

250 N Water Ste 300
Wichita KS 76202

ATTN: Paul Gunzelman

29 10S 21W Graham KS

Noah # 1-29

Start Date: 2008.06.22 @ 21:17:40

End Date: 2008.06.23 @ 03:45:04

Job Ticket #: 31974 DST #: 1

KCC
OCT 15 2008
CONFIDENTIAL

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

RECEIVED
KANSAS CORPORATION COMMISSION

OCT 16 2008

CONSERVATION DIVISION
WICHITA, KS

Murfin Drilling

Noah # 1-29

29 10S 21W Graham KS

DST # 1

LKC "B-F"

2008.06.22



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Murfin Drilling

250 N Water Ste 300
Wichita KS 76202

ATTN: Paul Gunzelman

Noah # 1-29

29 10S 21W Graham KS

Job Ticket: 31974

DST#: 1

Test Start: 2008.06.22 @ 21:17:40

GENERAL INFORMATION:

Formation: LKC "B-F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:02:35

Time Test Ended: 03:45:04

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: 3562.00 ft (KB) To 3631.00 ft (KB) (TVD)

Total Depth: 3631.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2236.00 ft (KB)

2231.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 39.19 psig @ 3565.00 ft (KB)

Start Date: 2008.06.22

End Date:

2008.06.23

Start Time: 21:17:40

End Time:

03:45:04

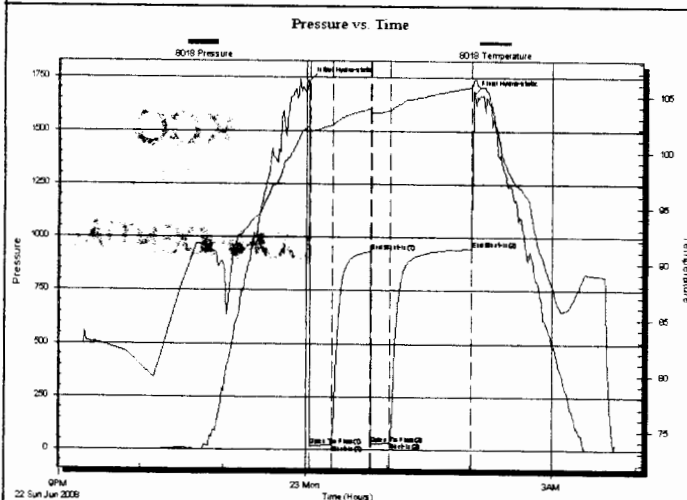
Capacity: 7000.00 psig

Last Calib.: 2008.06.23

Time On Btm: 2008.06.23 @ 00:01:35

Time Off Btm: 2008.06.23 @ 02:03:04

TEST COMMENT: IFP 1/2 " blow died 13 min.
ISI No blow back
FFP Weak sur blow died 7 min.
FSI No blow back



PRESSURE SUMMARY

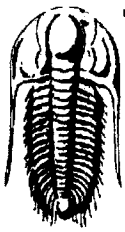
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1731.49	102.27	Initial Hydro-static
1	19.82	101.92	Open To Flow (1)
17	25.90	102.39	Shut-In(1)
46	932.76	103.86	End Shut-In(1)
46	27.32	103.44	Open To Flow (2)
60	39.19	103.73	Shut-In(2)
120	945.84	105.81	End Shut-In(2)
122	1674.95	106.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.05

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling

Noah # 1-29

250 N Water Ste 300
Wichita KS 76202

29 10S 21W Graham KS

Job Ticket: 31974

DST#: 1

ATTN: Paul Gunzelman

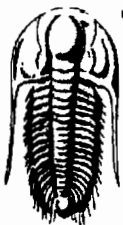
Test Start: 2008.06.22 @ 21:17:40

Tool Information

Drill Pipe:	Length: 3362.00 ft	Diameter: 3.80 inches	Volume: 47.16 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 48.06 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3562.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	69.00 ft			
Tool Length:	91.00 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			3545.00	
Hydraulic tool	5.00			3550.00	
Safety Joint	2.00			3552.00	
Packer	5.00			3557.00	22.00 Bottom Of Top Packer
Packer	5.00			3562.00	
Stubb	1.00			3563.00	
Perforations	1.00			3564.00	
Change Over Sub	1.00			3565.00	
Recorder	0.00	8018	Inside	3565.00	
Recorder	0.00	6755	Inside	3565.00	
Blank Spacing	62.00			3627.00	
Change Over Sub	1.00			3628.00	
Bullnose	3.00			3631.00	69.00 Bottom Packers & Anchor

Total Tool Length: 91.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling

Noah # 1-29

250 N Water Ste 300
Wichita KS 76202

29 10S 21W Graham KS

Job Ticket: 31974

DST#: 1

ATTN: Paul Gunzelman

Test Start: 2008.06.22 @ 21:17:40

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.049

Total Length: 10.00 ft

Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

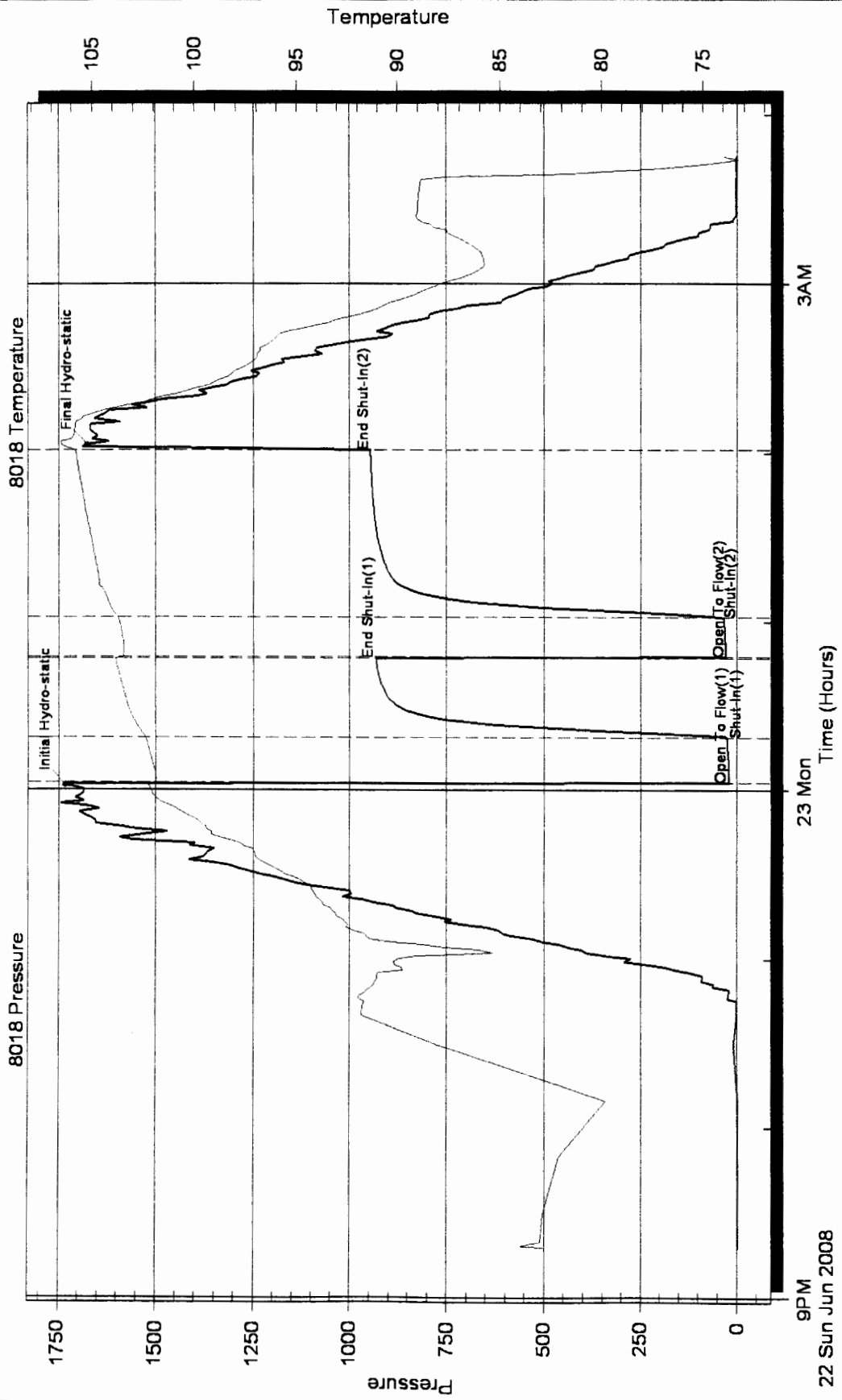
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling**

250 N Water Ste 300
Wichita KS 76202

ATTN: Paul Gunzelman

29 10S 21W Graham KS

Noah # 1-29

Start Date: 2008.06.23 @ 18:52:38

End Date: 2008.06.23 @ 22:56:33

Job Ticket #: 31975 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling

250 N Water Ste 300
Wichita KS 76202

ATTN: Paul Gunzelman

Noah # 1-29

29 10S 21W Graham KS

Job Ticket: 31975

DST#: 2

Test Start: 2008.06.23 @ 18:52:38

GENERAL INFORMATION:

Formation: **LKC "I-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 22:56:33

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3690.00 ft (KB) To 3772.00 ft (KB) (TVD)**

Total Depth: 3772.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2236.00 ft (KB)

2231.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Press@RunDepth: psig @ ft (KB)

Start Date: 2008.06.23

End Date:

2008.06.23

Capacity: 7000.00 psig

Last Calib.: 2008.06.23

Start Time: 18:52:38

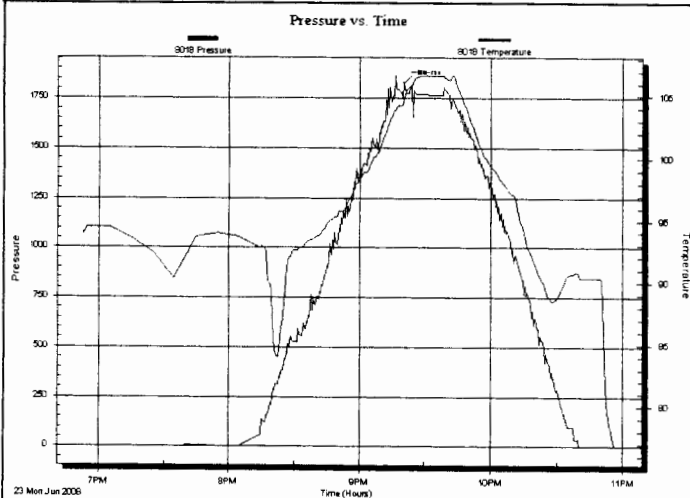
End Time:

22:56:33

Time On Btm:

Time Off Btm:

TEST COMMENT: MS-RUN hit bridge 50' off bottom
laid down 2 drill collars I didn't figure bottom correctly



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.86	104.57	--Mis-run

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling

Noah # 1-29

250 N Water Ste 300
Wichita KS 76202

29 10S 21W Graham KS

Job Ticket: 31975

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2008.06.23 @ 18:52:38

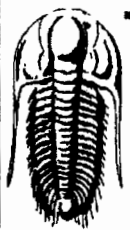
Tool Information

Drill Pipe:	Length: 3490.00 ft	Diameter: 3.80 inches	Volume: 48.96 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: lb
		Total Volume: 49.86 bbl		Tool Chased ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial lb
Depth to Top Packer:	3690.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	104.00 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			3673.00	
Hydraulic tool	5.00			3678.00	
Safety Joint	2.00			3680.00	
Packer	5.00			3685.00	22.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Stubb	1.00			3691.00	
Perforations	3.00			3694.00	
Change Over Sub	1.00			3695.00	
Recorder	0.00	8018	Inside	3695.00	
Recorder	0.00	6755	Inside	3695.00	
Blank Spacing	63.00			3758.00	
Change Over Sub	1.00			3759.00	
Perforations	10.00			3769.00	
Bullnose	3.00			3772.00	82.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling

Noah # 1-29

250 N Water Ste 300
Wichita KS 76202

29 10S 21W Graham KS

Job Ticket: 31975

DST#: 2

ATTN: Paul Gunzelman

Test Start: 2008.06.23 @ 18:52:38

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

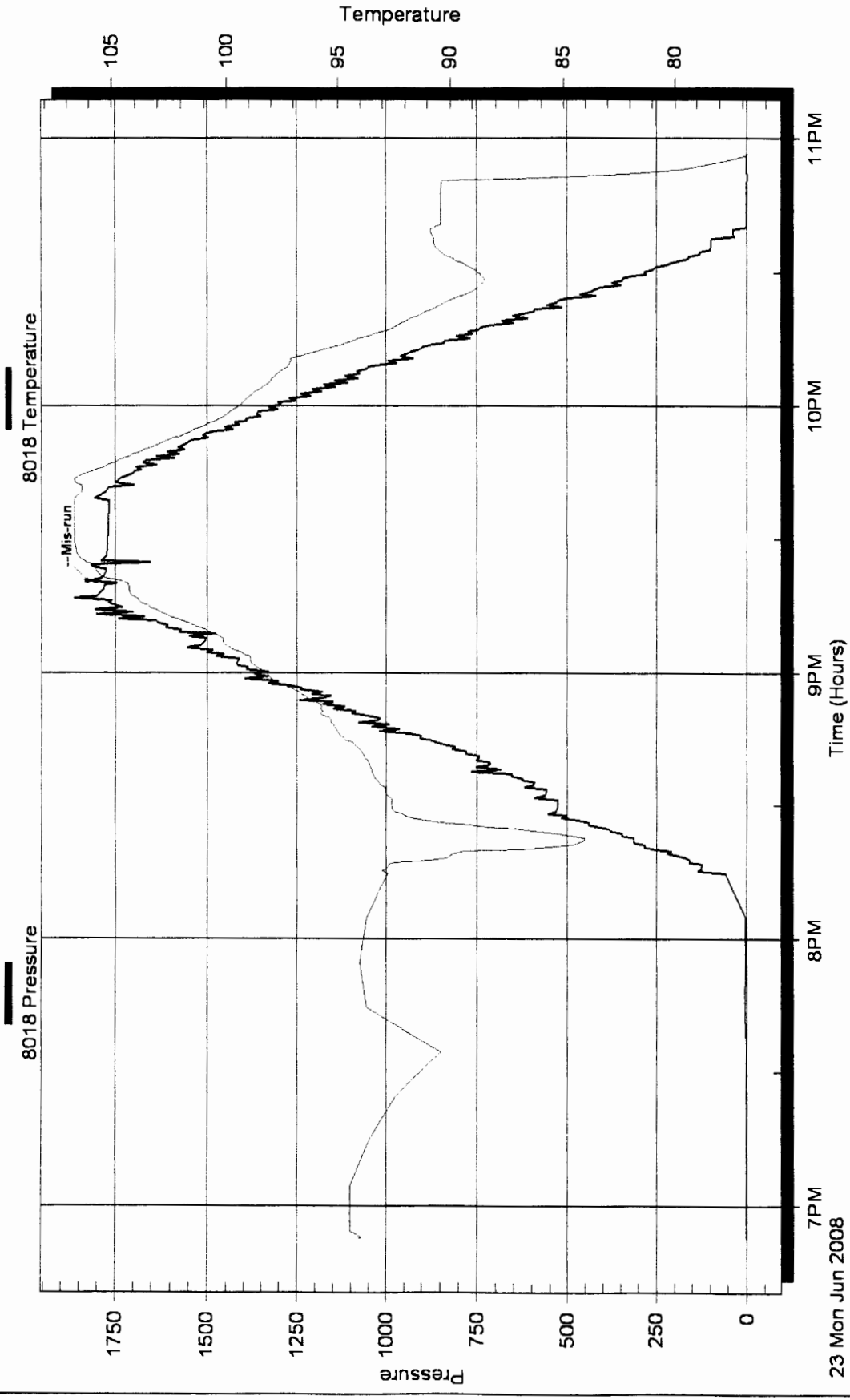
Serial #: 8018

Murfin Drilling

29 10S 21W Graham KS

DST Test Number: 2

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling**

250 N Water Ste 300
Wichita KS 76202

ATTN: Paul Gunzelman

29 10S 21W Graham KS

Noah # 1-29

Start Date: 2008.06.23 @ 23:57:22

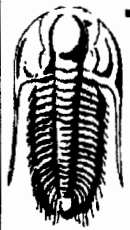
End Date: 2008.06.24 @ 05:28:46

Job Ticket #: 32826 DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling

250 N Water Ste 300
Wichita KS 76202

ATTN: Paul Gunzelman

Noah # 1-29

29 10S 21W Graham KS

Job Ticket: 32826

DST#: 3

Test Start: 2008.06.23 @ 23:57:22

GENERAL INFORMATION:

Formation: **LKC "I-L"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:27:47

Time Test Ended: 05:28:46

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3690.00 ft (KB) To 3772.00 ft (KB) (TVD)**

Total Depth: 3772.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2236.00 ft (KB)

2231.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8018

Inside

Press@RunDepth: 42.60 psig @ 3694.00 ft (KB)

Start Date: 2008.06.23

End Date:

2008.06.24

Start Time: 23:57:22

End Time:

05:28:46

Capacity: 7000.00 psig

Last Calib.: 2008.06.24

Time On Btm: 2008.06.24 @ 01:25:47

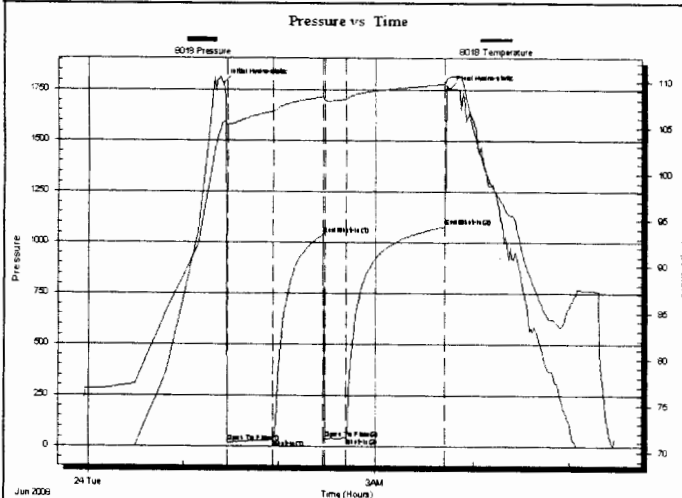
Time Off Btm: 2008.06.24 @ 03:45:47

TEST COMMENT: IFP 1/2 " blow died 21 min.

ISI No blow back

FFP No blow

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1783.54	105.65	Initial Hydro-static
2	18.79	105.22	Open To Flow (1)
31	32.43	106.79	Shut-In(1)
62	1039.86	108.38	End Shut-In(1)
63	37.06	108.00	Open To Flow (2)
76	42.60	108.13	Shut-In(2)
137	1079.33	109.80	End Shut-In(2)
140	1754.67	110.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100%M	0.10

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling

Noah # 1-29

250 N Water Ste 300
Wichita KS 76202

29 10S 21W Graham KS

Job Ticket: 32826

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2008.06.23 @ 23:57:22

Tool Information

Drill Pipe:	Length: 3517.00 ft	Diameter: 3.80 inches	Volume: 49.33 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	50.23 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 47000.00 lb
Depth to Top Packer:	3690.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	82.00 ft			
Tool Length:	104.00 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			3673.00	
Hydraulic tool	5.00			3678.00	
Safety Joint	2.00			3680.00	
Packer	5.00			3685.00	22.00 Bottom Of Top Packer
Packer	5.00			3690.00	
Stubb	1.00			3691.00	
Perforations	3.00			3694.00	
Recorder	0.00	8018	Inside	3694.00	
Recorder	0.00	6755	Inside	3694.00	
Change Over Sub	1.00			3695.00	
Blank Spacing	63.00			3758.00	
Change Over Sub	1.00			3759.00	
Perforations	10.00			3769.00	
Bullnose	3.00			3772.00	82.00 Bottom Packers & Anchor

Total Tool Length: 104.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling

Noah # 1-29

250 N Water Ste 300
Wichita KS 76202

29 10S 21W Graham KS

Job Ticket: 32826

DST#: 3

ATTN: Paul Gunzelman

Test Start: 2008.06.23 @ 23:57:22

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: 53.00 sec/qt

Cushion Volume:

bbl

Water Loss: 6.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	100%M	0.098

Total Length: 20.00 ft

Total Volume: 0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

