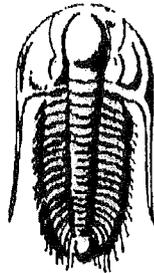


15-051-26127

6-13s-16w



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**

9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.02 @ 20:01:00

End Date: 2011.05.03 @ 02:08:09

Job Ticket #: 43118 DST #: 1

RECEIVED

SEP 02 2011

KCC WICHITA

KGS LIBRARY

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

I.A. Operating Inc

Connie #6-4

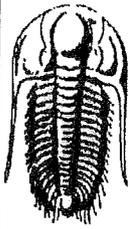
6-13s-16w Ellis,KS

DST # 1

Topeka

2011.05.02

06-13s-16w



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

I.A. Operating Inc
9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Sw an

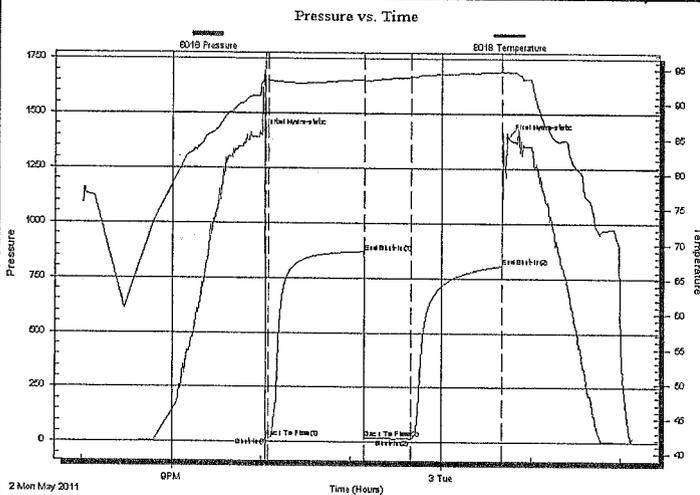
Connie #6-4
6-13s-16w Ellis,KS
Job Ticket: 43118 **DST#: 1**
Test Start: 2011.05.02 @ 20:01:00

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:02:50
Time Test Ended: 02:08:09
Interval: **2968.00 ft (KB) To 2983.00 ft (KB) (TVD)**
Total Depth: **2983.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Chuck Smith**
Unit No: **37**
Reference Elevations: **2008.00 ft (KB)**
1998.00 ft (CF)
KB to GR/CF: **10.00 ft**

Serial #: 8018 Inside
Press@RunDepth: **16.50 psig @ 2970.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.05.02** End Date: **2011.05.03** Last Calib.: **2011.05.03**
Start Time: **20:01:05** End Time: **02:08:10** Time On Btm: **2011.05.02 @ 21:59:40**
Time Off Btm: **2011.05.03 @ 00:44:00**

TEST COMMENT: IF: 1/2' Blow Tool slid 8ft.
IS: No Return
FF: No Blow
FSI: No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1407.88	92.12	Initial Hydro-static
4	18.09	93.24	Open To Flow (1)
6	18.32	93.38	Shut-In(1)
70	870.02	93.53	End Shut-In(1)
70	18.03	93.02	Open To Flow (2)
100	16.50	93.84	Shut-In(2)
161	805.97	94.65	End Shut-In(2)
165	1392.83	94.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	M 100M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43118

DST#: 1

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.02 @ 20:01:00

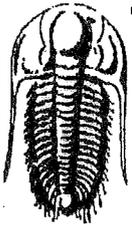
Tool Information

Drill Pipe:	Length: 2965.00 ft	Diameter: 3.80 inches	Volume: 41.59 bbl	Tool Weight: 2200.00 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: 60000.00 lb
			Total Volume: 41.59 bbl	Tool Chased 8.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 40000.00 lb
Depth to Top Packer:	2968.00 ft			Final 40000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	35.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2949.00	
Shut In Tool	5.00			2954.00	
Hydraulic tool	5.00			2959.00	
Packer	5.00			2964.00	20.00 Bottom Of Top Packer
Packer	4.00			2968.00	
Stubb	1.00			2969.00	
Perforations	1.00			2970.00	
Recorder	0.00	8018	Inside	2970.00	
Recorder	0.00	6751	Outside	2970.00	
Perforations	10.00			2980.00	
Bullnose	3.00			2983.00	15.00 Bottom Packers & Anchor

Total Tool Length: 35.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B

6-13s-16w Ellis,KS

Wichita, KS 67208

Job Ticket: 43118

DST#: 1

ATTN: Robert Sw an

Test Start: 2011.05.02 @ 20:01:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.66 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

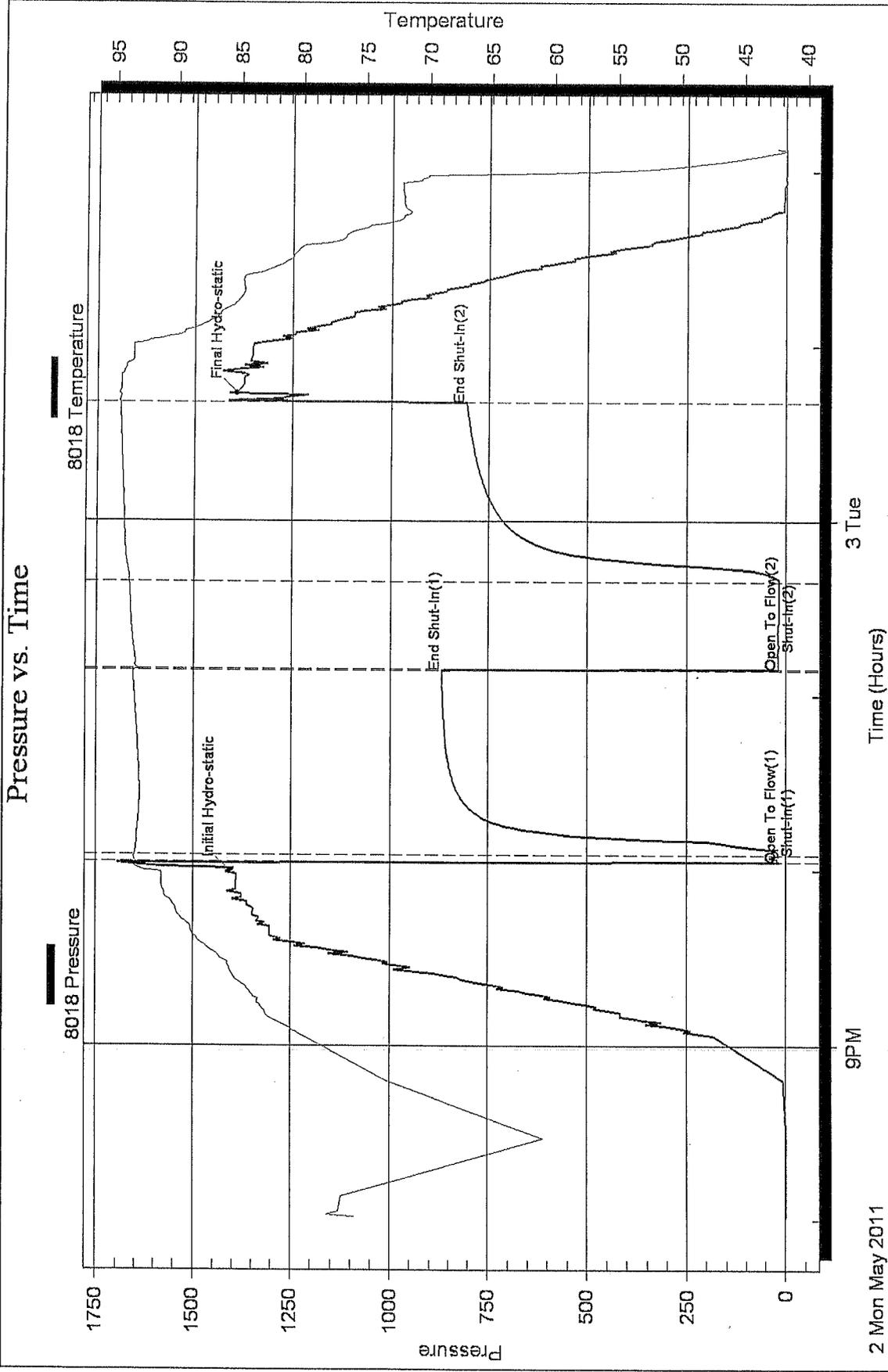
Length ft	Description	Volume bbl
10.00	M 100M	0.140

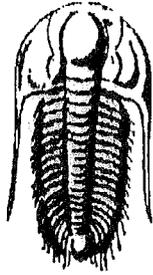
Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**

9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.03 @ 16:00:00

End Date: 2011.05.03 @ 21:47:30

Job Ticket #: 43119 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

I.A. Operating Inc

Connie #6-4

6-13s-16w Ellis,KS

DST # 2

Toronto

2011.05.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Swan

6-13s-16w Ellis,KS

Job Ticket: 43119 **DST#: 2**
Test Start: 2011.05.03 @ 16:00:00

Tool Information

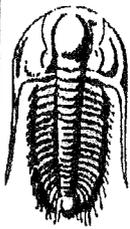
Drill Pipe:	Length: 3184.00 ft	Diameter: 3.80 inches	Volume: 44.66 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	22000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	52000.00 lb
		Total Volume: 44.66 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	42000.00 lb
Depth to Top Packer:	3190.00 ft			Final	42000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3171.00	
Shut In Tool	5.00			3176.00	
Hydraulic tool	5.00			3181.00	
Packer	5.00			3186.00	20.00 Bottom Of Top Packer
Packer	4.00			3190.00	
Stubb	1.00			3191.00	
Recorder	0.00	8018	Inside	3191.00	
Recorder	0.00	6751	Outside	3191.00	
Perforations	26.00			3217.00	
Bullnose	3.00			3220.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43119

DST#: 2

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.03 @ 16:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.08 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

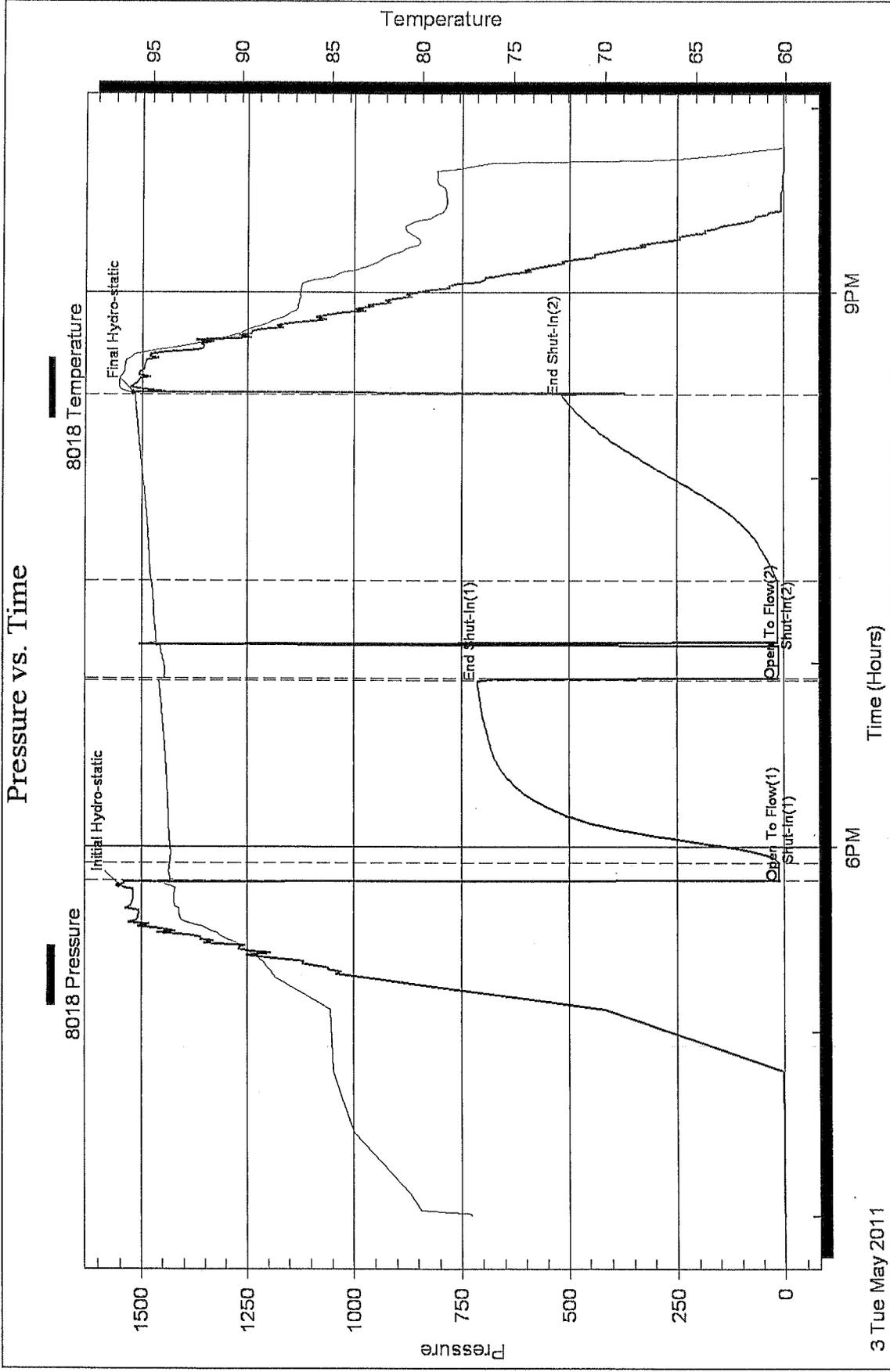
Length ft	Description	Volume bbl
5.00	OSM 100m	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

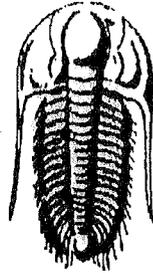


3 Tue May 2011

6PM

9PM

Time (Hours)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**
9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.04 @ 06:55:00

End Date: 2011.05.04 @ 13:15:20

Job Ticket #: 43120 DST #: 3

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

I.A. Operating Inc

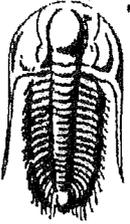
Connie #6-4

6-13s-16w Ellis,KS

DST # 3

Lansing

2011.05.04



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Sw an

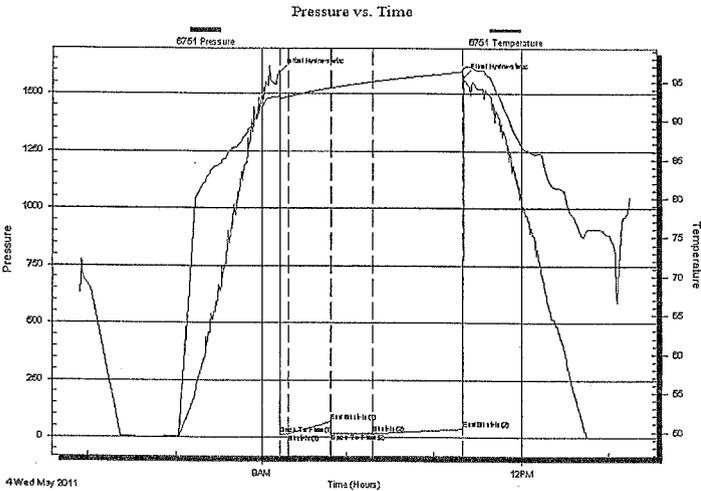
6-13s-16w Ellis,KS
Job Ticket: 43120 **DST#: 3**
Test Start: 2011.05.04 @ 06:55:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:12:30
 Time Test Ended: 13:15:20
 Interval: **3254.00 ft (KB) To 3276.00 ft (KB) (TVD)**
 Total Depth: **3276.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Smith**
 Unit No: **37**
 Reference Elevations: **2008.00 ft (KB)**
 1998.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 6751 **Outside**
 Press@RunDepth: **16.54 psig @ 3258.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.05.04** End Date: **2011.05.04** Last Calib.: **2011.05.04**
 Start Time: **06:55:05** End Time: **13:15:20** Time On Btm: **2011.05.04 @ 09:12:20**
 13:15:20 Time Off Btm: **2011.05.04 @ 11:20:30**

TEST COMMENT: IF: Very weak surface blow
 IS: No return
 FF: Surface blow
 FS: No return.



PRESSURE SUMMARY

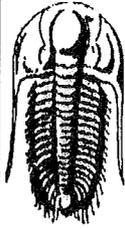
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1591.13	93.14	Initial Hydro-static
1	13.49	92.52	Open To Flow (1)
7	14.80	93.05	Shut-In(1)
37	68.68	94.22	End Shut-In(1)
37	15.67	94.20	Open To Flow (2)
66	16.54	95.01	Shut-In(2)
128	37.01	96.30	End Shut-In(2)
129	1572.61	96.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OSM 100M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Swan

6-13s-16w Ellis,KS

Job Ticket: 43120 **DST#: 3**
Test Start: 2011.05.04 @ 06:55:00

Tool Information

Drill Pipe:	Length: 3245.00 ft	Diameter: 3.80 inches	Volume: 45.52 bbl	Tool Weight: 2200.00 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: 45.52 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3254.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	37.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3240.00	
Shut In Tool	5.00			3245.00	
Hydraulic tool	5.00			3250.00	
Packer	4.00			3254.00	15.00 Bottom Of Top Packer
Stubb	1.00			3255.00	
Perforations	3.00			3258.00	
Recorder	0.00	8018	Inside	3258.00	
Recorder	0.00	6751	Outside	3258.00	
Perforations	15.00			3273.00	
Bullnose	3.00			3276.00	22.00 Anchor Tool
Total Tool Length:	37.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43120

DST#: 3

Wichita, KS 67208

ATTN: Robert Sw an

Test Start: 2011.05.04 @ 06:55:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.68 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

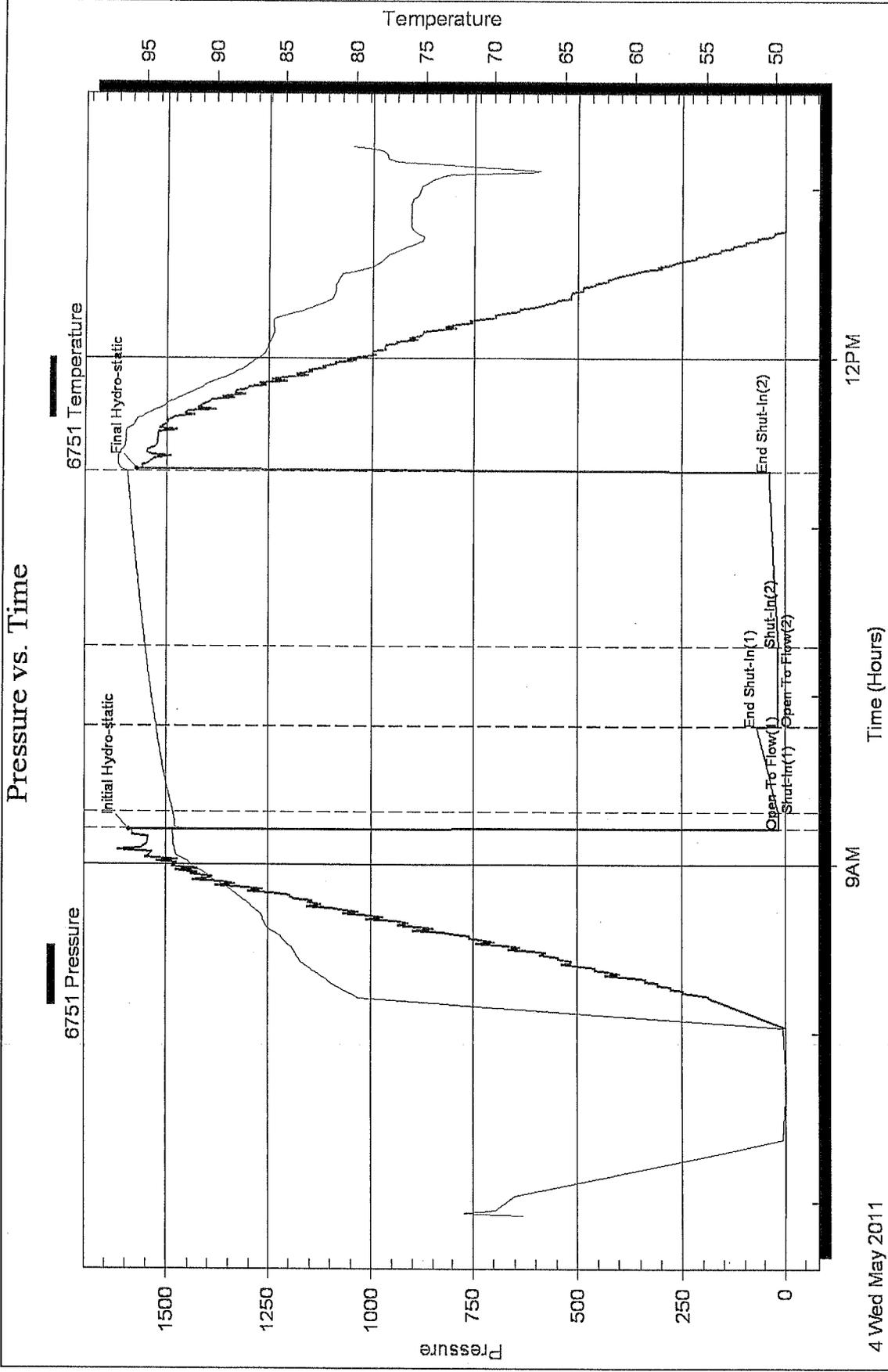
Length ft	Description	Volume bbl
10.00	OSM 100M	0.140

Total Length: 10.00ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

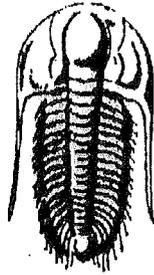


4 Wed May 2011

9 AM

12 PM

Time (Hours)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**
9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.04 @ 19:30:58

End Date: 2011.05.05 @ 01:21:22

Job Ticket #: 43458 DST #: 4

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

I.A. Operating Inc

Connie #6-4

6-13s-16w Ellis,KS

DST # 4

LKC "D"

2011.05.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Swan

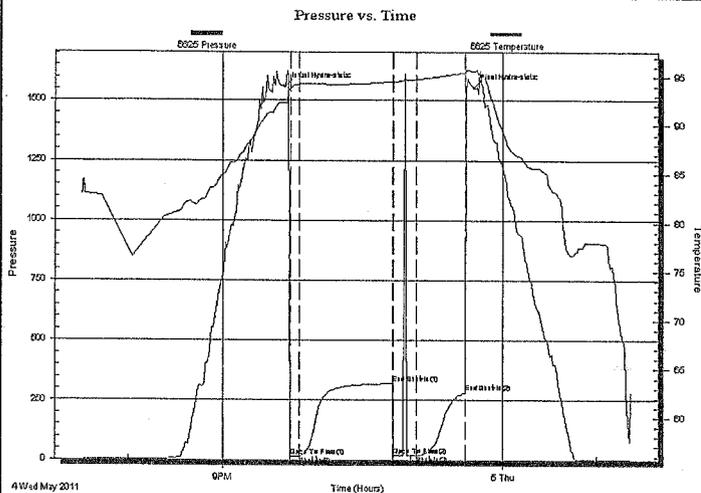
6-13s-16w Ellis,KS
Job Ticket: 43458 **DST#: 4**
Test Start: 2011.05.04 @ 19:30:58

GENERAL INFORMATION:

Formation: **LKC "D"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 21:43:23 Tester: Ray Schwager
 Time Test Ended: 01:21:22 Unit No: 42
 Interval: **3282.00 ft (KB) To 3294.00 ft (KB) (TVD)** Reference Elevations: 2008.00 ft (KB)
 Total Depth: **3294.00 ft (KB) (TVD)** 1998.00 ft (CF)
 Hole Diameter: **7.88 inches** Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6625 **Inside**
 Press@RunDepth: 18.65 psig @ 3283.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.05.04 End Date: 2011.05.05 Last Calib.: 2011.05.05
 Start Time: 19:30:58 End Time: 01:21:22 Time On Btm: 2011.05.04 @ 21:39:23
 Time Off Btm: 2011.05.04 @ 23:41:23

TEST COMMENT: IFP-surface bl
 ISIP-no bl
 FFP-no bl , flushed tool twice , no surge
 FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1559.02	92.32	Initial Hydro-static
4	14.72	93.77	Open To Flow (1)
10	16.93	94.24	Shut-In(1)
69	320.27	94.53	End Shut-In(1)
70	17.68	94.49	Open To Flow (2)
85	18.65	94.75	Shut-In(2)
117	282.85	95.41	End Shut-In(2)
122	1553.12	95.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud w/show of oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43458

DST#: 4

Wichita, KS 67208

ATTN: Robert Sw an

Test Start: 2011.05.04 @ 19:30:58

Tool Information

Drill Pipe:	Length: 3275.00 ft	Diameter: 3.80 inches	Volume: 45.94 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 45.94 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3282.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	33.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3262.00	
Shut In Tool	5.00			3267.00	
Hydraulic tool	5.00			3272.00	
Packer	5.00			3277.00	21.00 Bottom Of Top Packer
Packer	5.00			3282.00	
Stubb	1.00			3283.00	
Recorder	0.00	6625	Inside	3283.00	
Recorder	0.00	8700	Outside	3283.00	
Perforations	8.00			3291.00	
Bullnose	3.00			3294.00	12.00 Bottom Packers & Anchor
Total Tool Length:	33.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43458

DST#: 4

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.04 @ 19:30:58

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:

bbbl

Water Loss: 7.71 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud w/show of oil	0.014

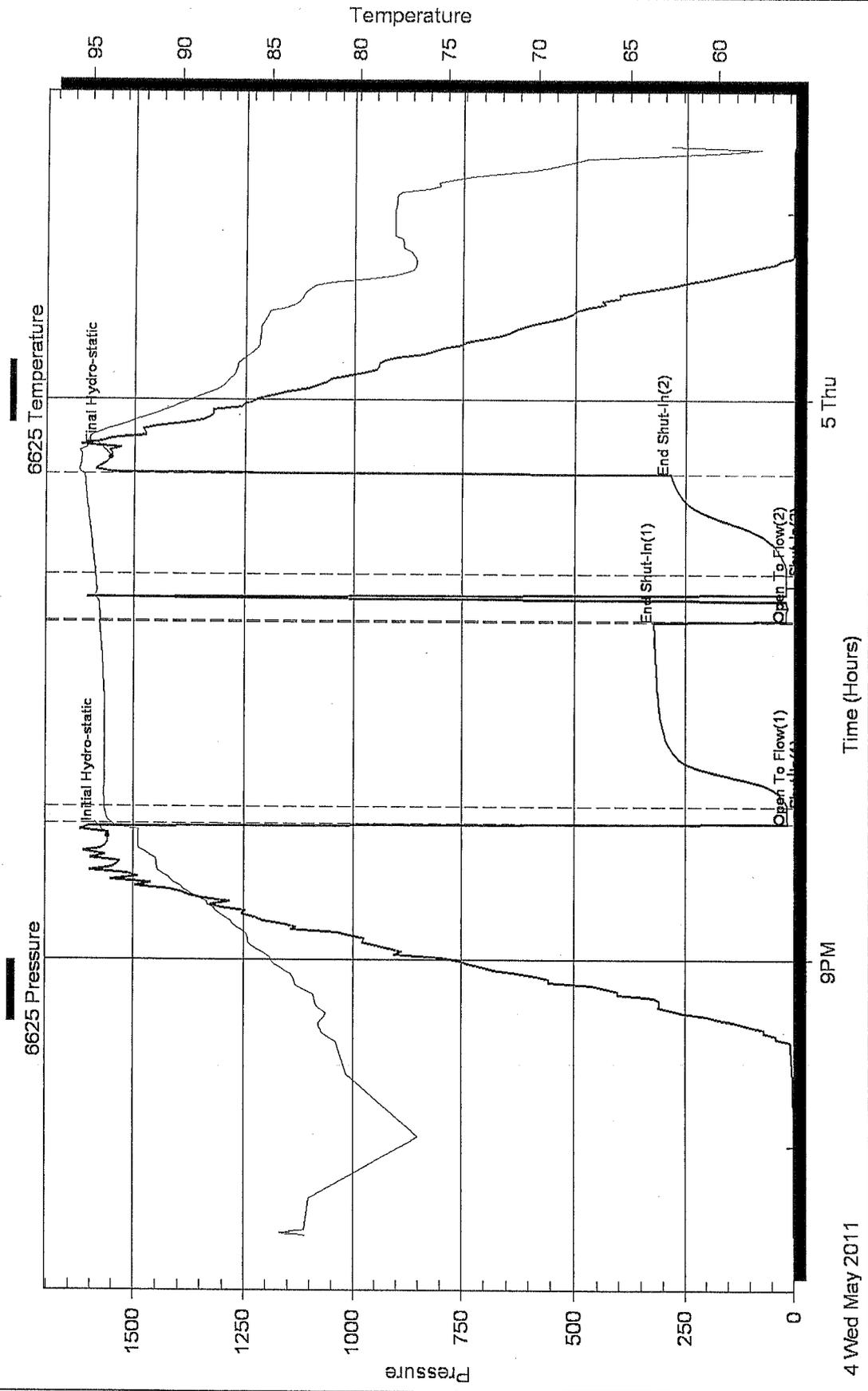
Total Length: 1.00 ft Total Volume: 0.014 bbl

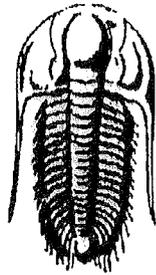
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**

9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.05 @ 09:20:56

End Date: 2011.05.05 @ 14:57:50

Job Ticket #: 43459 DST #: 5

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

I.A. Operating Inc

Connie #6-4

6-13s-16w Ellis,KS

DST # 5

LKC "E"

2011.05.05

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43459

DST#: 5

Wchita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.05 @ 09:20:56

Tool Information

Drill Pipe:	Length: 3306.00 ft	Diameter: 3.80 inches	Volume: 46.37 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 46.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3295.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3276.00	
Shut In Tool	5.00			3281.00	
Hydraulic tool	5.00			3286.00	
Packer	5.00			3291.00	20.00 Bottom Of Top Packer
Packer	4.00			3295.00	
Stubb	1.00			3296.00	
Recorder	0.00	6625	Inside	3296.00	
Recorder	0.00	8700	Outside	3296.00	
Perforations	17.00			3313.00	
Bullnose	3.00			3316.00	21.00 Bottom Packers & Anchor
Total Tool Length:	41.00				

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Swan

6-13s-16w Ellis,KS

Job Ticket: 43459

DST#: 5

Test Start: 2011.05.05 @ 09:20:56

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:	7.53 in*	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6400.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w/show of oil	0.070

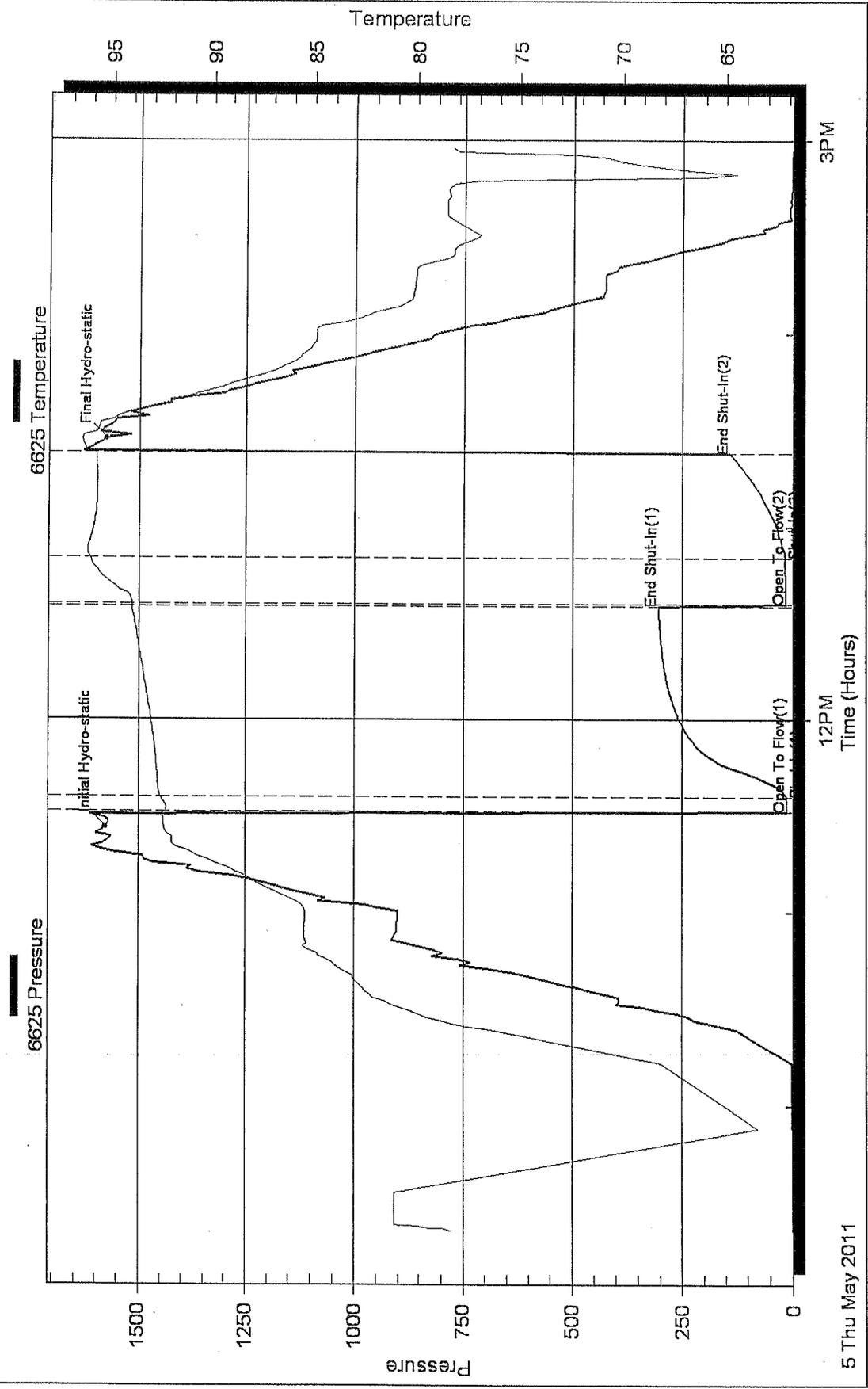
Total Length: 5.00 ft Total Volume: 0.070 bbl

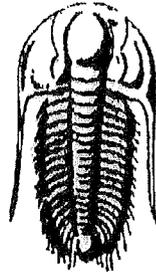
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**

9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.06 @ 06:30:50

End Date: 2011.05.06 @ 12:45:44

Job Ticket #: 43460 DST #: 6

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

I.A. Operating Inc

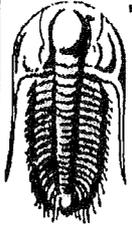
Connie #6-4

6-13s-16w Ellis,KS

DST # 6

LKC LK

2011.05.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis, KS

SUITE B

Job Ticket: 43460

DST#: 6

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.06 @ 06:30:50

Tool Information

Drill Pipe:	Length: 3369.00 ft	Diameter: 3.80 inches	Volume: 47.26 bbl	Tool Weight:	2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	50000.00 lb
			<u>Total Volume: 47.26 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	3384.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	72.00 ft				
Tool Length:	92.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3365.00	
Shut In Tool	5.00			3370.00	
Hydraulic tool	5.00			3375.00	
Packer	5.00			3380.00	20.00 Bottom Of Top Packer
Packer	4.00			3384.00	
Stubb	1.00			3385.00	
Perforations	5.00			3390.00	
Recorder	0.00	6625	Inside	3390.00	
Recorder	0.00	8700	Outside	3390.00	
Blank Spacing	63.00			3453.00	
Bullnose	3.00			3456.00	72.00 Bottom Packers & Anchor

Total Tool Length: 92.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43460

DST#: 6

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.06 @ 06:30:50

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: 7.15 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

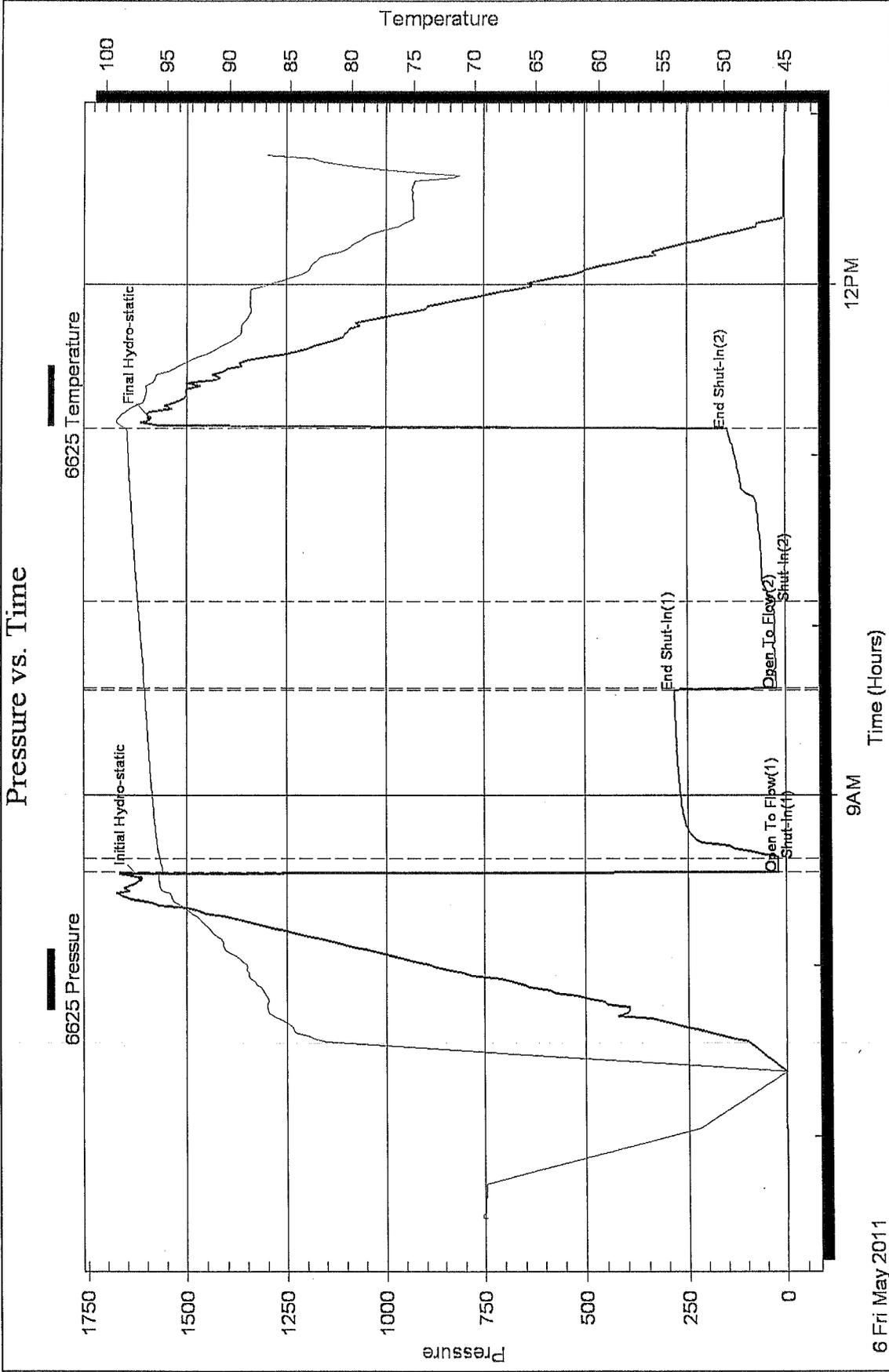
Length ft	Description	Volume bbl
10.00	Mud w/show of oil	0.140

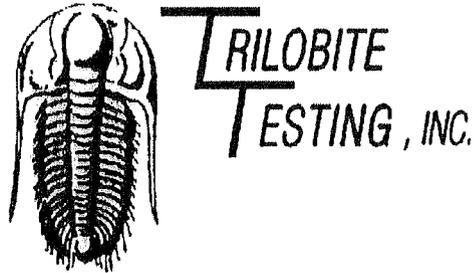
Total Length: 10.00 ft Total Volume: 0.140 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **I.A. Operating Inc**

9915 W. 21st N.
SUITE B
Wichita, KS 67208

ATTN: Robert Swan

6-13s-16w Ellis,KS

Connie #6-4

Start Date: 2011.05.06 @ 20:35:26

End Date: 2011.05.07 @ 02:40:20

Job Ticket #: 43461 DST #: 7

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

I.A. Operating Inc

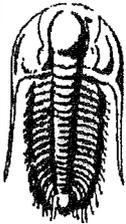
Connie #6-4

6-13s-16w Ellis,KS

DST # 7

Arbuckle

2011.05.06



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.
SUITE B
Wichita, KS 67208
ATTN: Robert Swan

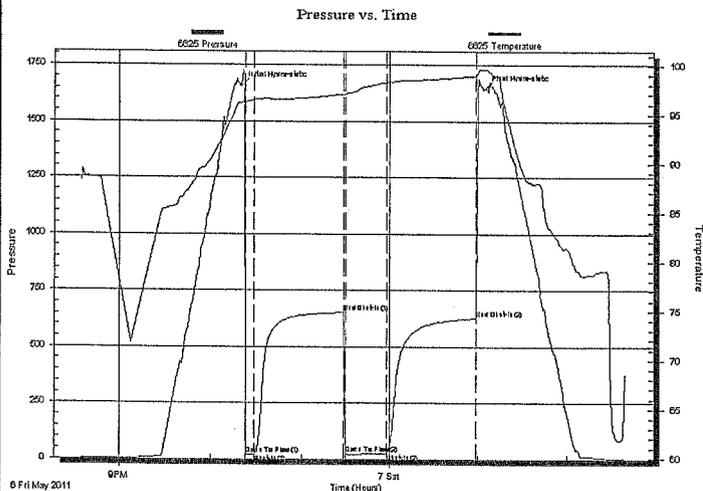
6-13s-16w Ellis,KS
Job Ticket: 43461 **DST#: 7**
Test Start: 2011.05.06 @ 20:35:26

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole
 Time Tool Opened: 22:22:21 Tester: Ray Schwager
 Time Test Ended: 02:40:20 Unit No: 42
 Interval: **3470.00 ft (KB) To 3500.00 ft (KB) (TVD)** Reference Elevations: 2008.00 ft (KB)
 Total Depth: 3500.00 ft (KB) (TVD) 1998.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 10.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 26.29 psig @ 3476.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.05.06 End Date: 2011.05.07 Last Calib.: 2011.05.07
 Start Time: 20:35:26 End Time: 02:40:20 Time On Btm: 2011.05.06 @ 22:19:21
 Time Off Btm: 2011.05.07 @ 01:04:20

TEST COMMENT: IFF-w k bl 1/4"bl
 ISIP-no bl
 FFP-surface bl
 FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1656.79	96.17	Initial Hydro-static
3	18.90	96.26	Open To Flow (1)
9	19.59	96.46	Shut-In(1)
70	651.78	97.08	End Shut-In(1)
71	22.94	96.99	Open To Flow (2)
99	26.29	98.25	Shut-In(2)
160	626.55	98.96	End Shut-In(2)
165	1642.04	99.60	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	CO	0.04
27.00	HOCM 20%O80%M	0.38

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43461

DST#: 7

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.06 @ 20:35:26

Tool Information

Drill Pipe:	Length: 3463.00 ft	Diameter: 3.80 inches	Volume: 48.58 bbl	Tool Weight: 2200.00 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 48.58 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3470.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	30.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

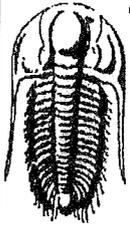
Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3450.00	
Shut In Tool	5.00			3455.00	
Hydraulic tool	5.00			3460.00	
Packer	5.00			3465.00	21.00 Bottom Of Top Packer
Packer	5.00			3470.00	
Stubb	1.00			3471.00	
Perforations	5.00			3476.00	
Recorder	0.00	6625	Inside	3476.00	
Recorder	0.00	8700	Outside	3476.00	
Perforations	21.00			3497.00	
Bullnose	3.00			3500.00	30.00 Bottom Packers & Anchor

Total Tool Length: 51.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

I.A. Operating Inc

Connie #6-4

9915 W. 21st N.

6-13s-16w Ellis,KS

SUITE B

Job Ticket: 43461

DST#: 7

Wichita, KS 67208

ATTN: Robert Swan

Test Start: 2011.05.06 @ 20:35:26

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: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 6600.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	CO	0.042
27.00	HOCM 20%O80%M	0.379

Total Length: 30.00ft Total Volume: 0.421 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time

