

DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

29--8s--26w

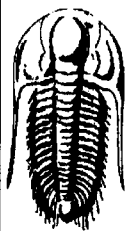
Pratt # 29-1

Start Date: 2004.03.26 @ 17:40:24

End Date: 2004.03.26 @ 23:55:24

Job Ticket #: 18592 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

IA Operating Inc.

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

Pratt # 29-1

29-8s-26w

Job Ticket: 18592

DST#: 1

Test Start: 2004.03.26 @ 17:40:24

GENERAL INFORMATION:

Formation: **Tor-L.Kc.-A**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 19:24:54

Time Test Ended: 23:55:24

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3637.00 ft (KB) To 3690.00 ft (KB) (TVD)**

Total Depth: **3690.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **2537.00 ft (KB)**

2532.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6741

Inside

Press@RunDepth: **172.06 psig @ 3640.00 ft (KB)**

Start Date: **2004.03.26**

End Date: **2004.03.26**

Start Time: **17:40:26**

End Time: **23:55:24**

Capacity: **7000.00 psig**

Last Calib.: **2004.03.27**

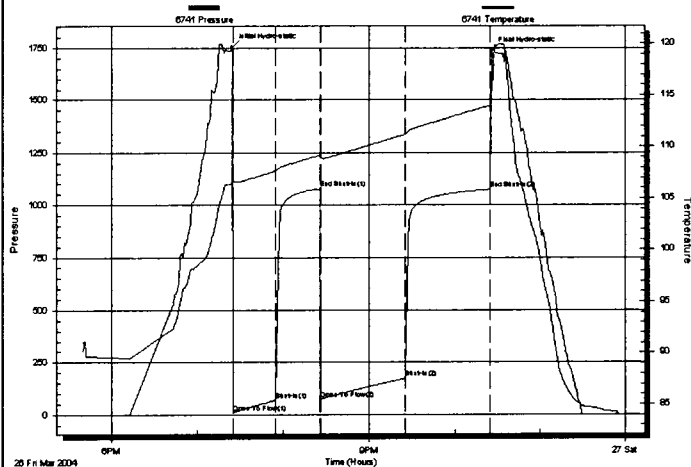
Time On Btm: **2004.03.26 @ 19:23:54**

Time Off Btm: **2004.03.26 @ 22:25:54**

TEST COMMENT: IF-Weak to Fair built to 4" in.
FF-Weak to Fair built to 4" in

ISI-Dead
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1755.85	106.62	Initial Hydro-static
1	9.44	106.55	Open To Flow (1)
31	67.78	107.64	Shut-In (1)
62	1077.02	109.18	End Shut-In (1)
63	74.23	108.98	Open To Flow (2)
122	172.06	111.14	Shut-In (2)
181	1072.58	113.93	End Shut-In (2)
182	1736.79	115.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
315.00	Salt Water	1.55

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc.

Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18592

DST#: 1

ATTN: Hal Porter

Test Start: 2004.03.26 @ 17:40:24

Tool Information

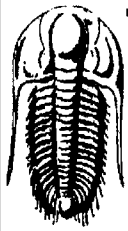
Drill Pipe:	Length: 3149.00 ft	Diameter: 3.80 inches	Volume: 44.17 bbl	Tool Weight:	3400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 486.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose:	80000.00 lb
		Total Volume:	46.56 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3637.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	53.00 ft				
Tool Length:	73.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3618.00	
Shut In Tool	5.00			3623.00	
Hydraulic tool	5.00			3628.00	
Packer	4.00			3632.00	20.00 Bottom Of Top Packer
Packer	5.00			3637.00	
Stubb	1.00			3638.00	
Perforations	1.00			3639.00	
Change Over Sub	1.00			3640.00	
Recorder	0.00	6741	Inside	3640.00	
Blank Spacing	31.00			3671.00	
Change Over Sub	1.00			3672.00	
Recorder	0.00	11084	Outside	3672.00	
Perforations	15.00			3687.00	
Bullnose	3.00			3690.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc.

Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18592

DST#: 1

ATTN: Hal Porter

Test Start: 2004.03.26 @ 17:40:24

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:

42000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
315.00	Salt Water	1.549

Total Length: 315.00 ft

Total Volume: 1.549 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

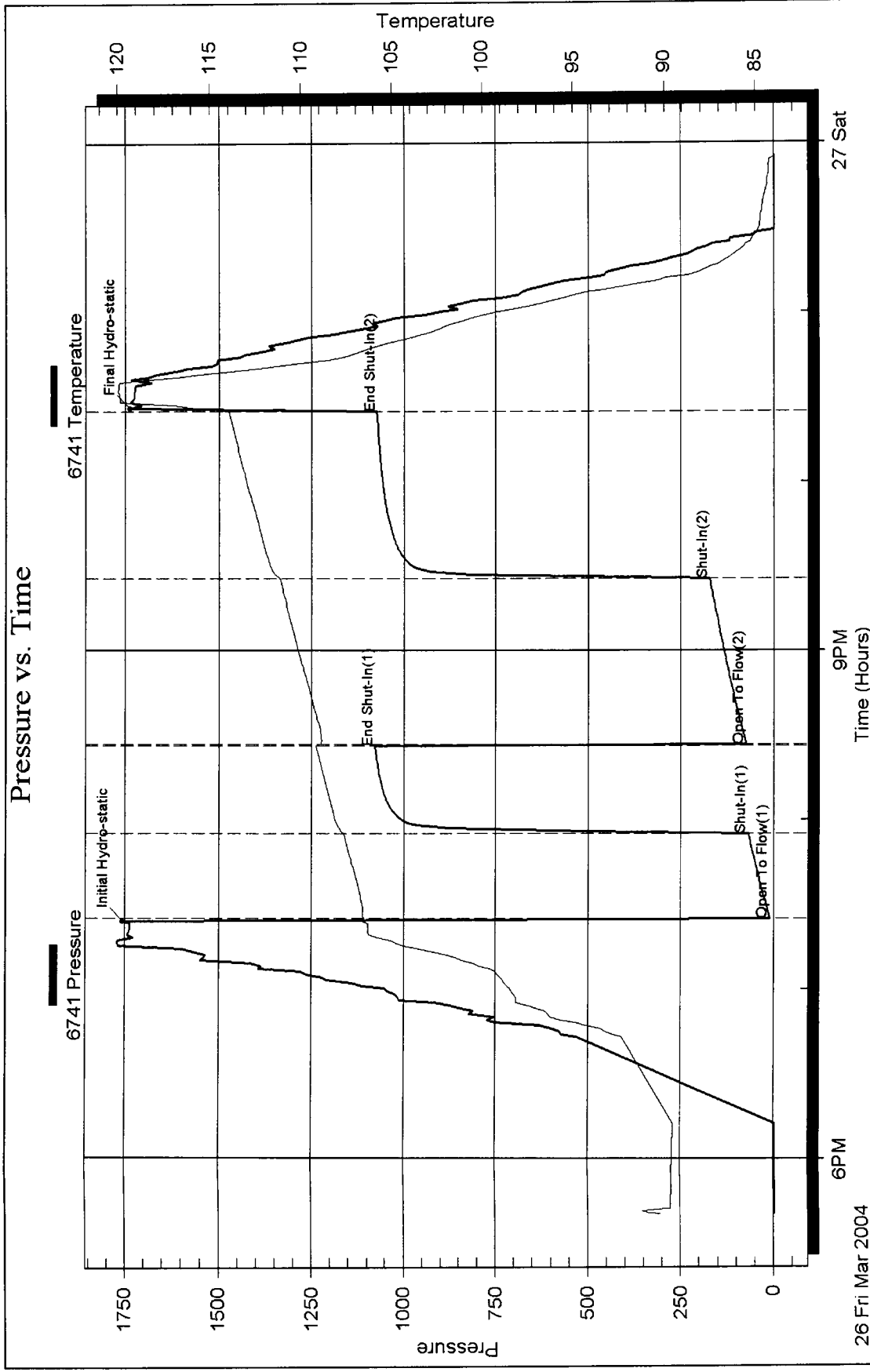
Serial #: 6741

Inside

IA Operating Inc.

29--8s--26w

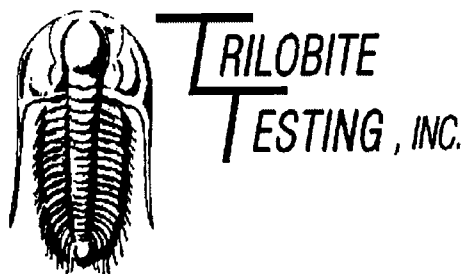
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 18592

Printed: 2004.04.02 @ 14:51:51 Page 5



DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

29--8s--26w

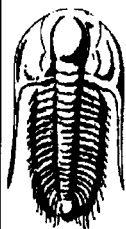
Pratt # 29-1

Start Date: 2004.03.27 @ 08:43:45

End Date: 2004.03.27 @ 14:41:15

Job Ticket #: 18593 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

IA Operating Inc.

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

Pratt # 29-1

29-8s-26w

Job Ticket: 18593

DST#: 2

Test Start: 2004.03.27 @ 08:43:45

GENERAL INFORMATION:

Formation: **L.Kc.-C&D**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:27:45

Time Test Ended: 14:41:15

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3704.00 ft (KB) To 3745.00 ft (KB) (TVD)**

Total Depth: 3745.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2537.00 ft (KB)

2532.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 80.33 psig @ 3710.00 ft (KB)

Start Date: 2004.03.27

End Date:

2004.03.27

Start Time: 08:43:47

End Time:

14:41:15

Capacity: 7000.00 psig

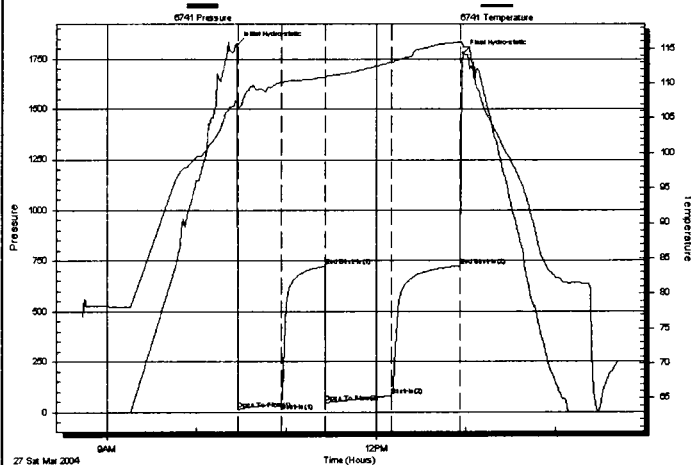
Last Calib.: 2004.03.27

Time On Btm: 2004.03.27 @ 10:27:15

Time Off Btm: 2004.03.27 @ 12:58:15

TEST COMMENT: IF-Weak built to 1" in. IS-Dead
FF-Very weak surface. FS-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1819.95	107.13	Initial Hydro-static
1	11.85	106.62	Open To Flow (1)
30	43.68	110.11	Shut-In (1)
59	723.29	110.89	End Shut-In (1)
59	46.71	110.80	Open To Flow (2)
103	80.33	113.01	Shut-In (2)
149	724.89	115.90	End Shut-In (2)
151	1777.15	115.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Watery mud few oil spots	0.64

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc.

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

Pratt # 29-1

29-8s-26w

Job Ticket: 18593

DST#: 2

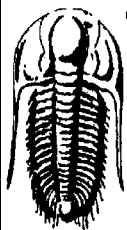
Test Start: 2004.03.27 @ 08:43:45

Tool Information

Drill Pipe:	Length:	3210.00 ft	Diameter:	3.80 inches	Volume:	45.03 bbl	Tool Weight:	3000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.70 inches	Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length:	486.00 ft	Diameter:	2.25 inches	Volume:	2.39 bbl	Weight to Pull Loose:	70000.00 lb
					Total Volume:	47.42 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		12.00 ft					String Weight: Initial	58000.00 lb
Depth to Top Packer:		3704.00 ft					Final	58000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		41.00 ft						
Tool Length:		61.00 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			3685.00	
Shut In Tool	5.00			3690.00	
Hydraulic tool	5.00			3695.00	
Packer	4.00			3699.00	20.00 Bottom Of Top Packer
Packer	5.00			3704.00	
Stubb	1.00			3705.00	
Perforations	5.00			3710.00	
Recorder	0.00	6741	Inside	3710.00	
Perforations	32.00			3742.00	
Recorder	0.00	11084	Outside	3742.00	
Bullnose	3.00			3745.00	41.00 Bottom Packers & Anchor

Total Tool Length: 61.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc.

Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18593

DST#: 2

ATTN: Hal Porter

Test Start: 2004.03.27 @ 08:43:45

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:

34000 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Watery mud few oil spots	0.639

Total Length: 130.00 ft

Total Volume: 0.639 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

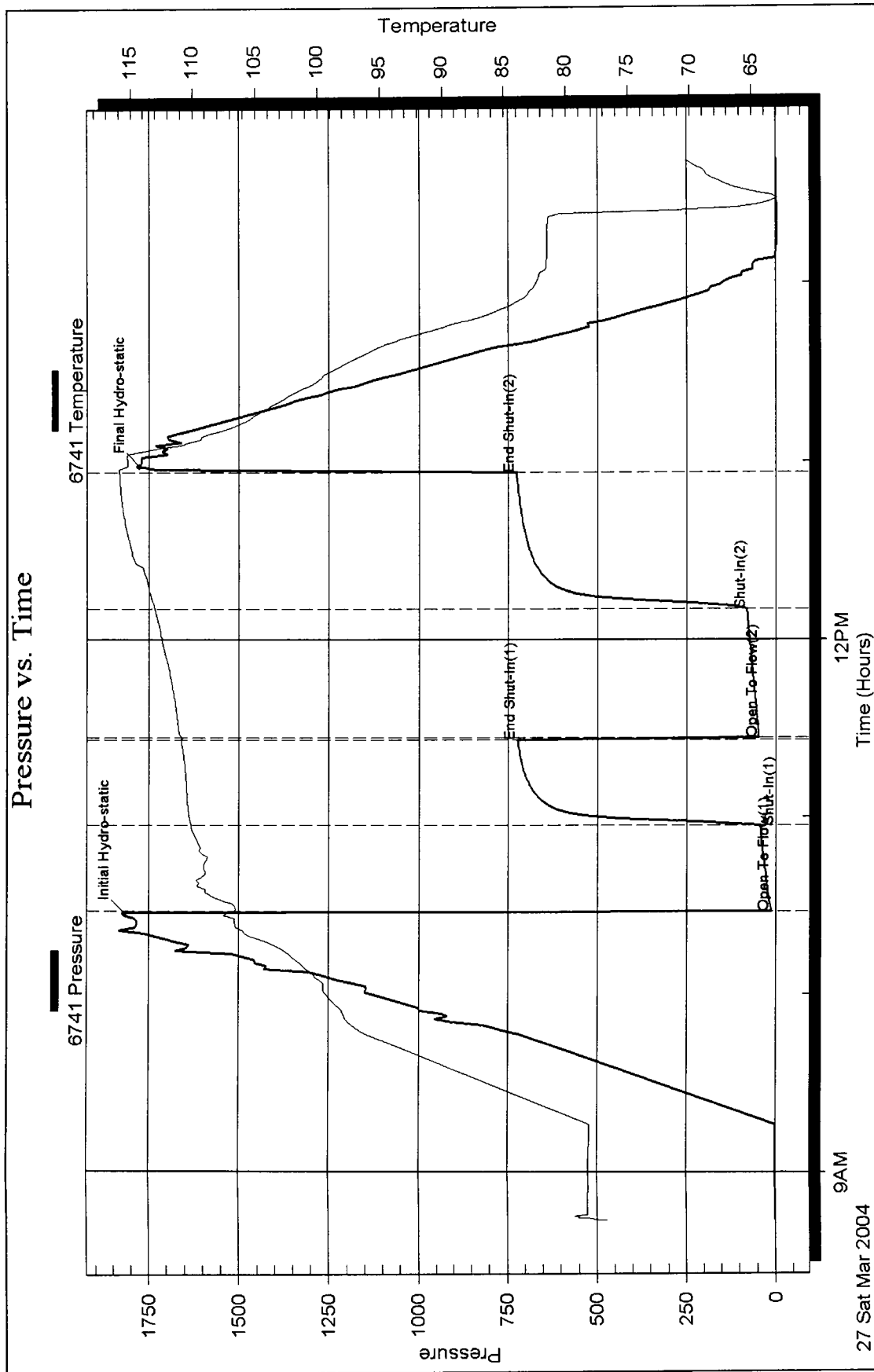
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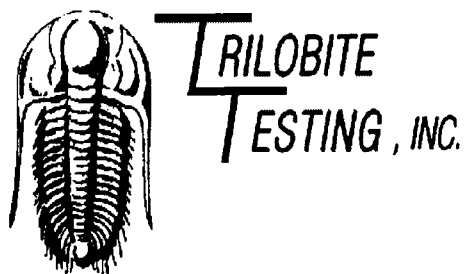
Inside

IA Operating Inc.

29--8s--26w

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

29--8s--26w

Pratt # 29-1

Start Date: 2004.03.28 @ 04:34:21

End Date: 2004.03.28 @ 09:50:51

Job Ticket #: 18594 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

IA Operating Inc.

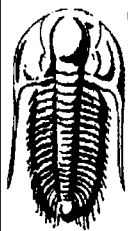
Pratt # 29-1

29--8s--26w

DST # 3

L.Kc.-H&I

2004.03.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

IA Operating Inc.
900 N. Tyler Road # 14
Wichita, Ks. 67212
ATTN: Hal Porter

Pratt # 29-1

29-8s-26w

Job Ticket: 18594

DST#: 3

Test Start: 2004.03.28 @ 04:34:21

GENERAL INFORMATION:

Formation: **L.Kc.-H&I**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:01:21

Time Test Ended: 09:50:51

Test Type: Conventional Bottom Hole

Tester: John Schmidt

Unit No: 18

Interval: **3798.00 ft (KB) To 3842.00 ft (KB) (TVD)**

Total Depth: 3842.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2537.00 ft (KB)

2532.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741 Inside

Press@RunDepth: 22.50 psig @ 3802.00 ft (KB)

Start Date: 2004.03.28

End Date: 2004.03.28

Start Time: 04:34:23

End Time: 09:50:51

Capacity: 7000.00 psig

Last Calib.: 2004.03.28

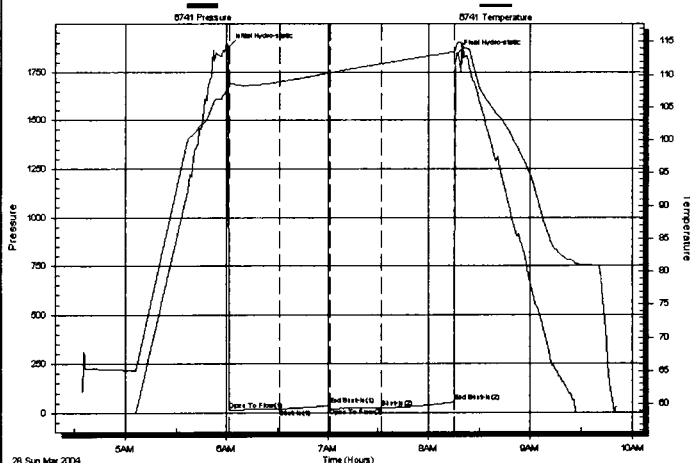
Time On Btm: 2004.03.28 @ 06:00:51

Time Off Btm: 2004.03.28 @ 08:16:51

TEST COMMENT: IF-Weak surface dead in 30 min.
FF-Dead

ISI-Dead
FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1876.61	108.77	Initial Hydro-static
1	12.11	108.61	Open To Flow (1)
31	18.89	108.93	Shut-In (1)
60	38.08	110.29	End Shut-In (1)
61	21.83	110.31	Open To Flow (2)
91	22.50	111.66	Shut-In (2)
135	53.61	113.46	End Shut-In (2)
136	1840.99	114.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud W/ oil specks	0.07

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

IA Operating Inc.

Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18594

DST#: 3

ATTN: Hal Porter

Test Start: 2004.03.28 @ 04:34:21

Tool Information

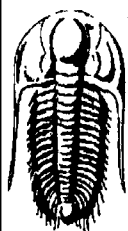
Drill Pipe:	Length: 3305.00 ft	Diameter: 3.80 inches	Volume: 46.36 bbl	Tool Weight:	3100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 486.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	48.75 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3798.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	44.00 ft				
Tool Length:	64.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3779.00	
Shut In Tool	5.00			3784.00	
Hydraulic tool	5.00			3789.00	
Packer	4.00			3793.00	20.00 Bottom Of Top Packer
Packer	5.00			3798.00	
Stubb	1.00			3799.00	
Perforations	2.00			3801.00	
Change Over Sub	1.00			3802.00	
Recorder	0.00	6741	Inside	3802.00	
Blank Spacing	31.00			3833.00	
Change Over Sub	1.00			3834.00	
Perforations	5.00			3839.00	
Recorder	0.00	13308	Outside	3839.00	
Bullnose	3.00			3842.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18594

DST#: 3

ATTN: Hal Porter

Test Start: 2004.03.28 @ 04:34:21

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling mud W/ oil specks	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

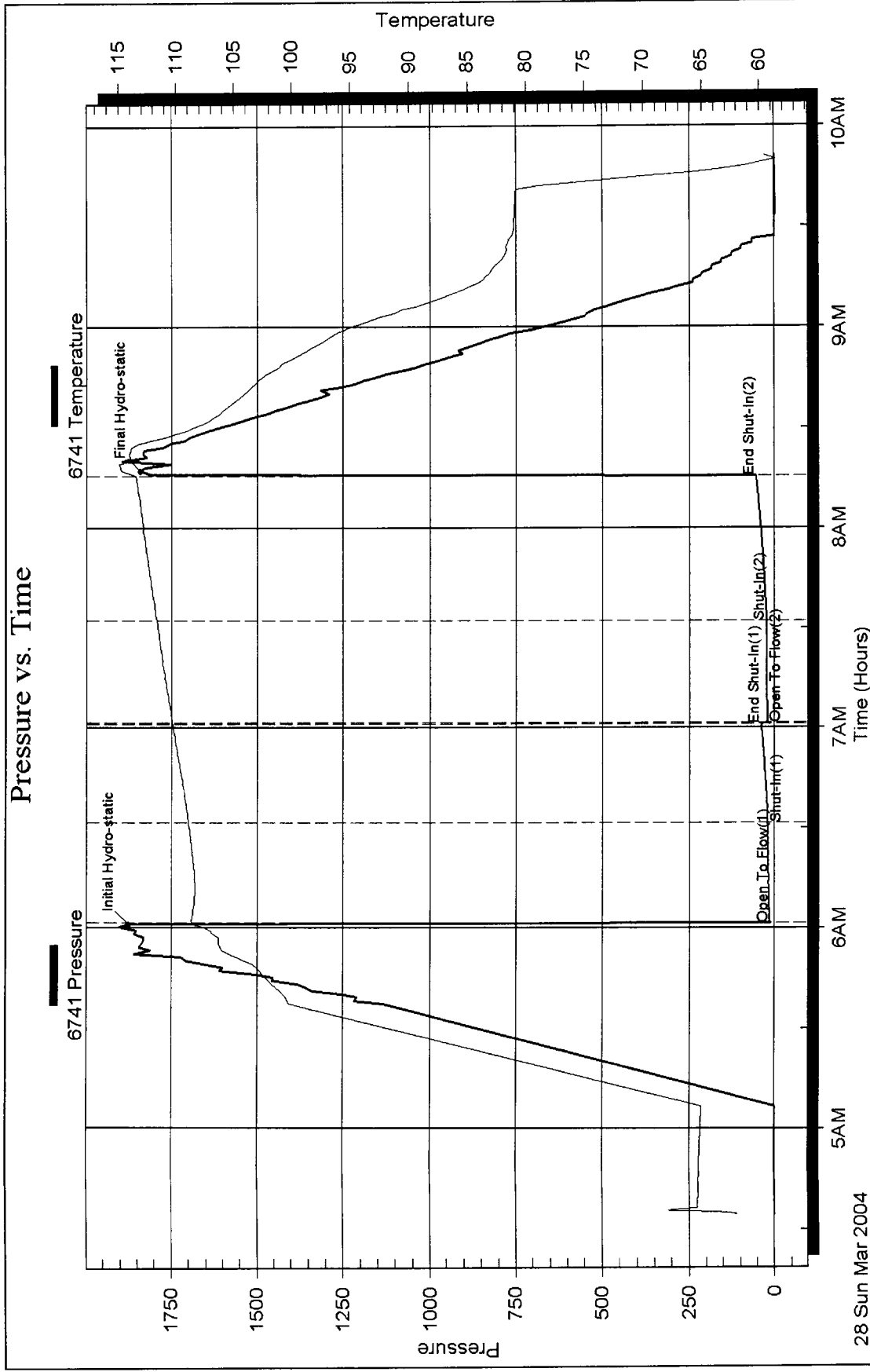
Num Gas Bombs: 0

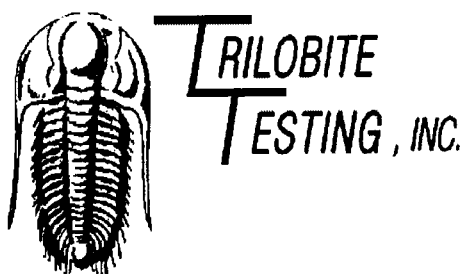
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **IA Operating Inc.**

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Wichita, Ks. 67212

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29--8s--26w

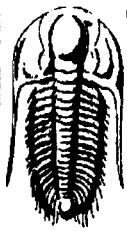
Pratt # 29-1

Start Date: 2004.03.28 @ 19:47:27

End Date: 2004.03.29 @ 01:57:27

Job Ticket #: 18595 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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DRILL STEM TEST REPORT

IA Operating Inc.

900 N. Tyler Road # 14
Wichita, Ks. 67212

ATTN: Hal Porter

Pratt # 29-1

29-8s-26w

Job Ticket: 18595

DST#: 4

Test Start: 2004.03.28 @ 19:47:27

GENERAL INFORMATION:

Formation: **L.Kc.-J - L**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 21:49:57

Time Test Ended: 01:57:27

Test Type: **Conventional Bottom Hole**

Tester: **John Schmidt**

Unit No: **18**

Interval: **3817.00 ft (KB) To 3900.00 ft (KB) (TVD)**

Total Depth: **3900.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2537.00 ft (KB)**

2532.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press@RunDepth: **26.82 psig @ 3821.00 ft (KB)**

Start Date: **2004.03.28**

End Date:

2004.03.29

Start Time: **19:47:28**

End Time:

01:57:27

Capacity: **7000.00 psig**

Last Calib.: **2004.03.29**

Time On Btm: **2004.03.28 @ 21:49:27**

Time Off Btm: **2004.03.29 @ 00:05:27**

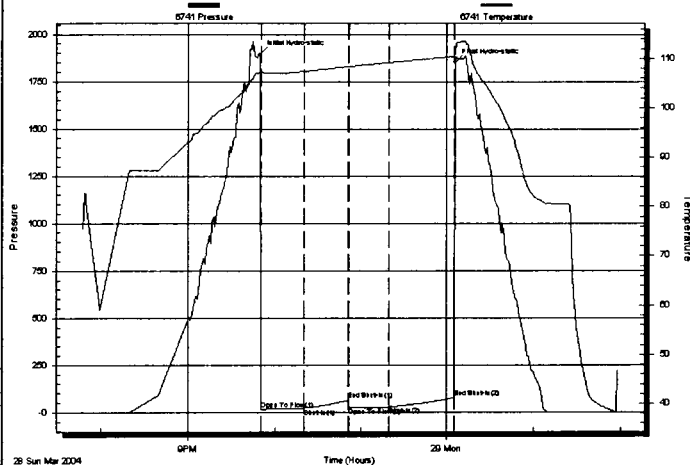
TEST COMMENT: **IF-Weak Dead in 25 min.**

ISI-Dead

FF-Dead

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

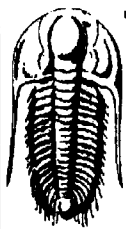
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1895.65	107.24	Initial Hydro-static
1	14.12	106.62	Open To Flow (1)
31	21.33	107.42	Shut-In(1)
62	62.82	108.40	End Shut-In(1)
62	23.86	108.39	Open To Flow (2)
91	26.82	109.19	Shut-In(2)
136	76.00	110.39	End Shut-In(2)
136	1852.16	111.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling mud Few oil spots	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

IA Operating Inc.

Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18595

DST#: 4

ATTN: Hal Porter

Test Start: 2004.03.28 @ 19:47:27

Tool Information

Drill Pipe:	Length: 3336.00 ft	Diameter: 3.80 inches	Volume: 46.80 bbl	Tool Weight:	35000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 486.00 ft	Diameter: 2.25 inches	Volume: 2.39 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	49.19 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3817.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	83.00 ft				
Tool Length:	103.00 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			3798.00	
Shut In Tool	5.00			3803.00	
Hydraulic tool	5.00			3808.00	
Packer	4.00			3812.00	20.00 Bottom Of Top Packer
Packer	5.00			3817.00	
Stubb	1.00			3818.00	
Perforations	2.00			3820.00	
Change Over Sub	1.00			3821.00	
Recorder	0.00	6741	Inside	3821.00	
Blank Spacing	62.00			3883.00	
Change Over Sub	1.00			3884.00	
Perforations	13.00			3897.00	
Recorder	0.00	13308	Outside	3897.00	
Bullnose	3.00			3900.00	83.00 Bottom Packers & Anchor

Total Tool Length: 103.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

IA Operating Inc.

Pratt # 29-1

900 N. Tyler Road # 14
Wichita, Ks. 67212

29-8s-26w

Job Ticket: 18595

DST#: 4

ATTN: Hal Porter

Test Start: 2004.03.28 @ 19:47:27

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling mud Few oil spots	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:

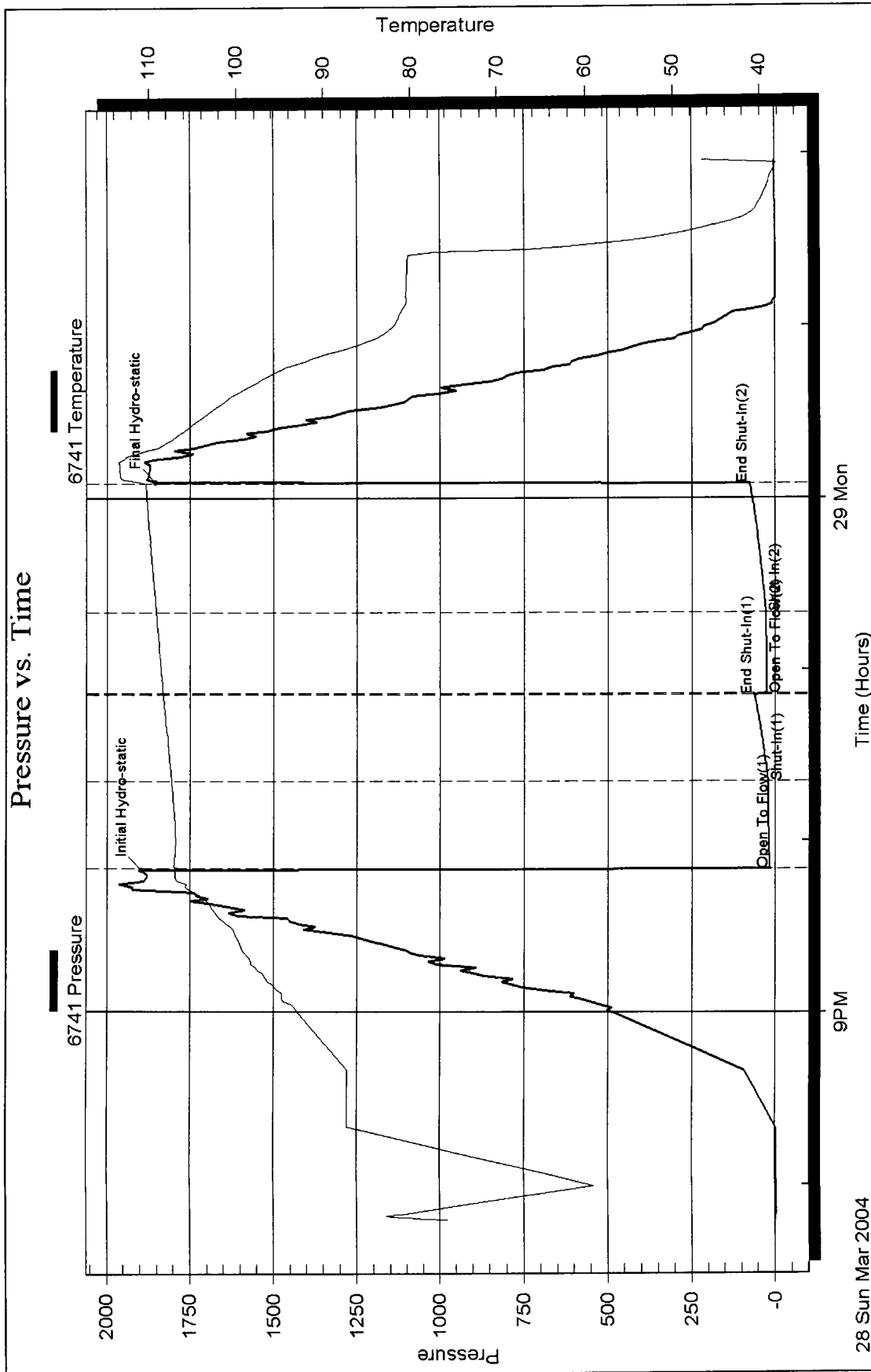
Serial #: 6741

Inside

IA Operating Inc.

29--8s--26w

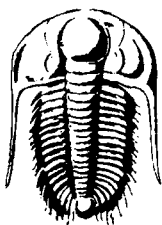
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 18595

Printed: 2004.04.02 @ 14:53:27 Page 5



TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

INV
6286

Nº 18592

05/03

Test Ticket

Well Name & No. <u>PRATT #29-1</u>	Test No. <u>#1</u>	Date <u>3-26-04</u>
Company <u>IMPERIAL AMERICAN OPERATING, INC.</u>	Zone Tested <u>TOP-A</u>	
Address <u>900 N TYLER ROAD #14 WICHITA, KS 67212</u>	Elevation <u>2537</u> KB <u>2532</u> GL	
Co. Rep / Geo. <u>RANDY KILIAN</u>	Cont. <u>MURFIN #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>29</u> Twp. <u>8S</u> Rge. <u>26W</u>	Co. <u>SHERIDAN</u>	State <u>KS.</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3637 TO 3690</u>	Initial Str Wt./Lbs. <u>40,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length <u>53'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>3632</u>	Tool Weight <u>3400</u>	
Bottom Packer Depth <u>3637</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3690</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>486'</u>
Mud Wt. <u>9.0</u> LCM <u>TR.</u> Vis. <u>45</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3149</u>
Blow Description <u>IF - WEAK TO FAIR BUILT TO 4" IN. FSI - DEAD</u>		
<u>FF - WEAK TO FAIR BUILT TO 4" IN. FSI - DEAD</u>		

Recovery - Total Feet <u>315</u>	GIP <u>0</u>	Ft. in DC <u>315</u>	Ft. in DP <u>0</u>
Rec. <u>315</u>	Feet of <u>S. WATER</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>113</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>.18</u>	@ <u>69</u> °F	Chlorides <u>42,000</u> ppm	Recovery _____ Chlorides <u>800</u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1755</u> PSI	Alpine	Recorder No. <u>6741</u>	Test <u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>9</u> PSI		(depth) <u>3640</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>67</u> PSI		Recorder No. <u>11084</u>	Jars _____
(D) Initial Shut-In Pressure	<u>1077</u> PSI		(depth) <u>3672</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>74</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>172</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>1072</u> PSI	Initial Opening <u>30</u>		Straddle _____
(Q) Final Hydrostatic Mud	<u>1736</u> PSI	Initial Shut-In <u>30</u>		Ext. Packer _____
		Final Flow <u>60</u>		Shale Packer _____
		Final Shut-In <u>60</u>		Mileage <u>85</u>
		T-On Location <u>16:00</u>		Sub Total: <u>1019.15</u>
		T-Started <u>17:40</u>		Std. By <u>[Signature]</u>
		T-Open <u>19:24</u>		Other _____
		T-Pulled <u>22:25</u>		Total: _____
		T-Out <u>23:55</u>		

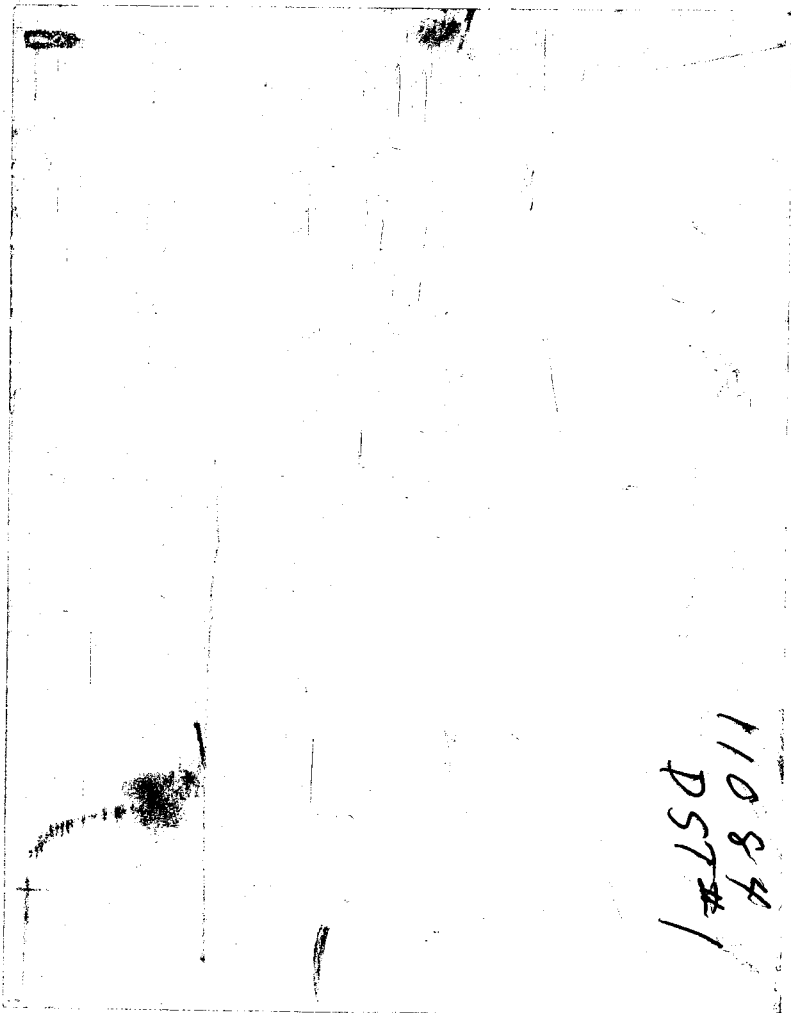
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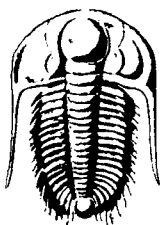
Approved By _____

Our Representative John J. Schmidt

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18593

05/03

Test Ticket

Well Name & No. <u>PRATT #29-1</u>	Test No. <u>#2</u>	Date <u>3-27-04</u>
Company <u>1A OPERATING, INC</u>	Zone Tested <u>L.K. - C+D</u>	
Address _____	Elevation <u>2537</u> KB <u>2532</u> GL	
Co. Rep / Geo. <u>RANDY KILIAN</u>	Cont. <u>MURFIN #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>29</u> Twp. <u>8S</u>	Rge. <u>26W</u> Co. <u>SHERIDAN</u>	State <u>KS</u>
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3704 TO 3745</u>	Initial Str Wt./Lbs. <u>58,000</u>	Unseated Str Wt/Lbs. <u>58,000</u>
Anchor Length <u>41</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth <u>3699</u>	Tool Weight <u>3,000</u>	
Bottom Packer Depth <u>3704</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3745</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>486</u>
Mud Wt. <u>8.9</u> LCM <u>1/2#</u> Vis. <u>48</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3210</u>
Blow Description <u>IF - WEAK BUILT TO 1" IN</u>	<u>ISI - DEAD</u>	
<u>FF - VERY WEAK SURFACE.</u>	<u>FSI - DEAD</u>	

Recovery - Total Feet <u>130</u>	GIP <u>0</u>	Ft. in DC <u>130'</u>	Ft. in DP <u>0</u>
Rec. <u>130'</u>	Feet of <u>WATERY MUD</u>	%gas _____ %oil <u>40</u>	%water <u>60</u> %mud _____
Rec. _____	Feet of <u>(W) FEW OIL SPOTS</u>	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
Rec. _____	Feet of _____	%gas _____ %oil _____	%water _____ %mud _____
BHT <u>115</u> °F Gravity _____	°API D @ _____	°F Corrected Gravity _____	°API _____
RW <u>.22</u> @ <u>69</u> °F	Chlorides <u>34,000</u> ppm Recovery _____	Chlorides <u>1,000</u> ppm System	

(A) Initial Hydrostatic Mud	AK-1 <u>1819</u> PSI	Alpine	Recorder No. <u>6741</u>	Test <u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>11</u> PSI		(depth) <u>3710</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>43</u> PSI		Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>723</u> PSI		(depth) <u>3742</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>46</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>80</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>724</u> PSI	Initial Opening	<u>30</u>	Straddle _____
(Q) Final Hydrostatic Mud	<u>1777</u> PSI	Initial Shut-In	<u>30</u>	Ext. Packer _____
		Final Flow	<u>45</u>	Shale Packer _____
		Final Shut-In	<u>45</u>	Mileage <u>85</u>
		T-On Location	<u>08:15</u>	Sub Total: <u>1019.15</u>
		T-Started	<u>08:43</u>	Std. By _____
		T-Open	<u>10:27</u>	Other _____
		T-Pulled	<u>12:58</u>	Total: _____
		T-Out	<u>14:41</u>	

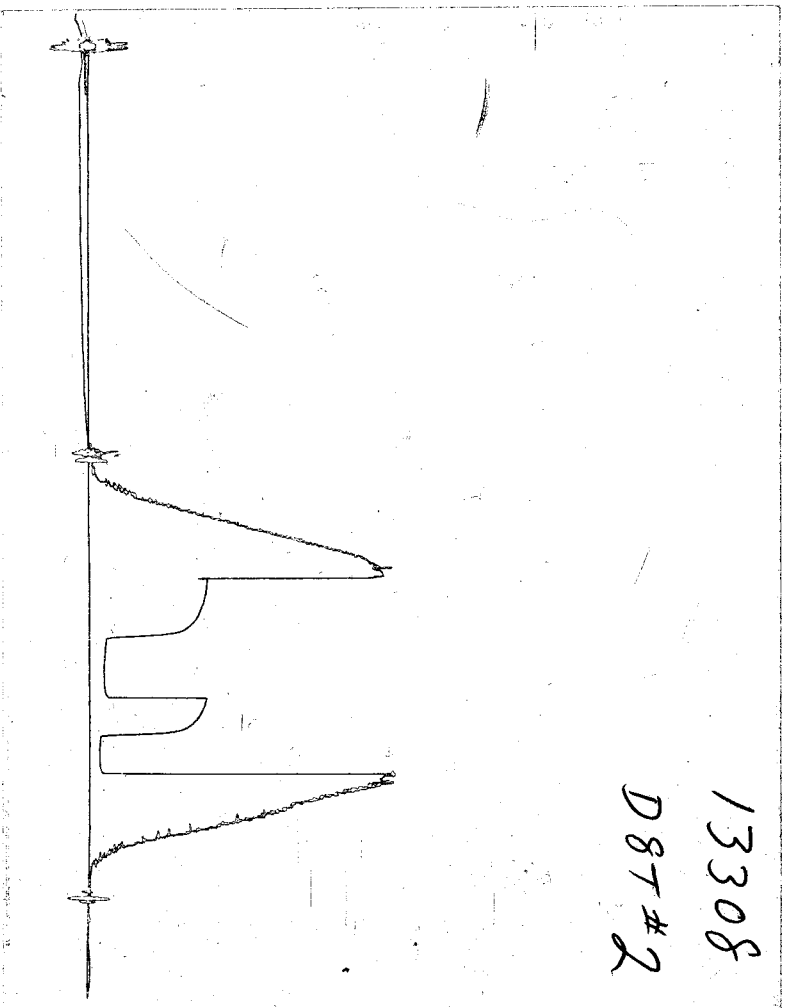
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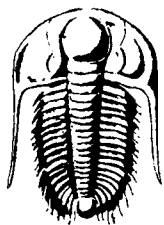
Approved By _____

Our Representative John J. Schmidt

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

Nº 18594

05/03

Test Ticket

Well Name & No. <u>PRATT #29-1</u>	Test No. <u>#3</u>	Date <u>3-28-04</u>
Company <u>1A OPERATING, INC.</u>	Zone Tested <u>L.K. - H41</u>	
Address _____	Elevation <u>2537</u> KB <u>2532</u> GL	
Co. Rep / Geo. <u>RANDY KILIAN</u>	Cont. <u>MURFIN #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>29</u> Twp. <u>8S</u> Rge. <u>26W</u> Co. <u>SHERIDAN</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3798 TO 3842</u>	Initial Str Wt./Lbs. <u>58,000</u>	Unseated Str Wt./Lbs. <u>58,000</u>
Anchor Length <u>44'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth <u>3793</u>	Tool Weight <u>3100</u>	
Bottom Packer Depth <u>3798</u>	Hole Size 7 7/8" <u>✓</u>	Rubber Size 6 3/4" <u>✓</u>
Total Depth <u>3842</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>486</u>
Mud Wt. <u>8.9</u> LCM <u>1/2"</u> Vis. <u>48</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>3305</u>
Blow Description <u>IF - WEAK SURFACE DEAD IN 30-MIN. FSI - DEAD</u> <u>FF - DEAD FSI - DEAD</u>		

Recovery - Total Feet <u>15'</u>	GIP <u>0</u>	Ft. in DC <u>15'</u>	Ft. in DP <u>0</u>
Rec. <u>15'</u>	Feet of <u>DRILLING MUD WITH</u>	%gas	%oil
Rec. _____	Feet of <u>FEW OIL SPECKS</u>	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
Rec. _____	Feet of _____	%gas	%oil
BHT <u>113</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW <u>0</u>	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides <u>1,000</u> ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1876 PSI	Recorder No.	<u>6741</u>	Test	<u>B. HOLE</u>
(B) First Initial Flow Pressure			12 PSI	(depth)	<u>3802</u>	Elec. Rec.	<u>✓</u>
(C) First Final Flow Pressure			18 PSI	Recorder No.	<u>13308</u>	Jars	
(D) Initial Shut-In Pressure			38 PSI	(depth)	<u>3839</u>	Safety Jt.	
(E) Second Initial Flow Pressure			21 PSI	Recorder No.		Circ Sub	
(F) Second Final Flow Pressure			22 PSI	(depth)		Sampler	
(G) Final Shut-In Pressure			53 PSI	Initial Opening	<u>30</u>	Straddle	
(Q) Final Hydrostatic Mud			1840 PSI	Initial Shut-In	<u>30</u>	Ext. Packer	
				Final Flow	<u>30</u>	Shale Packer	
				Final Shut-In	<u>45</u>	Mileage	<u>85</u>
				T-On Location	<u>04:00</u>	Sub Total:	<u>10,9.15</u>
				T-Started	<u>04:34</u>	Std. By	
				T-Open	<u>06:01</u>	Other	
				T-Pulled	<u>08:16</u>	Total:	
				T-Out	<u>09:50</u>		

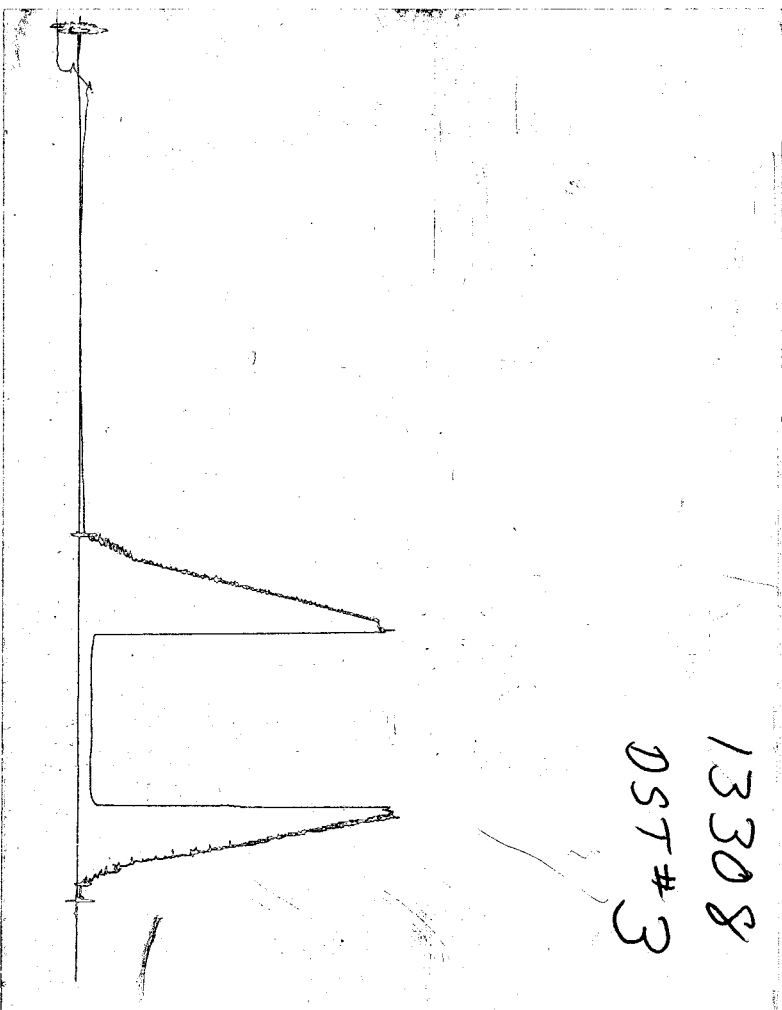
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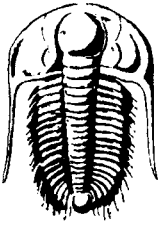
Approved By [Signature]

Our Representative John J. Schmidt

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 18595

05/03

Test Ticket

Well Name & No. <u>1A OPERATING, INC. PRAT #291</u>	Test No. <u>#4</u>	Date <u>3-28-04</u>
Company <u>1A OPERATING, INC.</u>	Zone Tested <u>L, Kc. - J to L</u>	
Address _____	Elevation <u>2537</u> KB <u>2532</u> GL	
Co. Rep / Geo. <u>RANDY KILIAN</u>	Cont. <u>MURFIN #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>29</u> Twp. <u>8S</u> Rge. <u>26W</u> Co. <u>SHERIDAN</u> State <u>KS</u>		
No. of Copies _____	Disbtribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>3817 TO 3900</u>	Initial Str Wt./Lbs. <u>60,000</u>	Unseated Str Wt./Lbs. <u>60,000</u>
Anchor Length <u>83'</u>	Wt. Set Lbs. <u>25,000</u>	Wt. Pulled Loose/Lbs. <u>70,000</u>
Top Packer Depth <u>3812</u>	Tool Weight <u>3500</u>	
Bottom Packer Depth <u>3817</u>	Hole Size <u>7 7/8"</u> ✓	Rubber Size <u>6 3/4"</u> ✓
Total Depth <u>3900</u>	Wt. Pipe Run <u>0</u>	Drill Collar Run <u>486</u>
Mud Wt. <u>9.0</u> LCM <u>TR</u> Vis. <u>53</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run _____
Blow Description <u>IF - WEAK DEAD IN 25-min.</u>	<u>EST - DEAD</u>	
<u>FF - DEAD</u>	<u>FST - DEAD</u>	

Recovery - Total Feet <u>10</u>	GIP <u>0</u>	Ft. in DC <u>10'</u>	Ft. in DP <u>0</u>
Rec. <u>10</u>	Feet of <u>DRILLING MUD</u>	%gas _____	%oil _____
Rec. _____	Feet of <u>FEW OIL SPOTS</u>	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
Rec. _____	Feet of _____	%gas _____	%oil _____
BHT <u>110</u>	°F Gravity _____	°API D @ _____	°F Corrected Gravity _____
RW _____	@ _____ °F	Chlorides _____ ppm	Recovery _____ Chlorides _____ ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>1895</u> PSI	Alpine	Recorder No. <u>6741</u>	Test <u>B. HOLE</u>
(B) First Initial Flow Pressure	<u>14</u> PSI		(depth) <u>3821</u>	Elec. Rec. <u>✓</u>
(C) First Final Flow Pressure	<u>21</u> PSI		Recorder No. <u>13308</u>	Jars _____
(D) Initial Shut-In Pressure	<u>62</u> PSI		(depth) <u>3897</u>	Safety Jt. _____
(E) Second Initial Flow Pressure	<u>23</u> PSI		Recorder No. _____	Circ Sub _____
(F) Second Final Flow Pressure	<u>24</u> PSI		(depth) _____	Sampler _____
(G) Final Shut-In Pressure	<u>76</u> PSI	Initial Opening		Straddle _____
(Q) Final Hydrostatic Mud	<u>1852</u> PSI	Initial Shut-In		Ext. Packer _____

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Approved By _____

Our Representative John J. Schmidt

Final Flow		Shale Packer	
Final Shut-In		Mileage <u>85</u>	
T-On Location	<u>19:15</u>	Sub Total: <u>1019.15</u>	
T-Started	<u>19:47</u>	Std. By _____	
T-Open	<u>21:49</u>	Other <u>next to copies</u>	
T-Pulled	<u>00:05</u>	Total: _____	
T-Out	<u>01:57</u>		

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart

