

TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

[Signature]
8/22/08

PO Box 837
Russell KS 67665

ATTN: Brad Hutchison

28 14 15 Russell KS

RESER
Houghton/ Reiser#1

Start Date: 2007.06.08 @ 13:37:03

End Date: 2007.06.08 @ 19:53:18

Job Ticket #: 28643 DST #: 1

NW NW NE
480 FNL 2310 FCL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

15-167-23434

Prospect Oil & Gas

Houghton/ Reiser#1

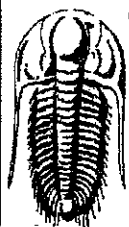
28 14 15 Russell KS

DST # 1

LKC A-C

2007.06.08

28-145-15W



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prospect Oil & Gas

PO Box 837
Russell KS 67665

ATTN: Brad Hutchison

Houghton/ Reiser#1

28 14 15 Russell KS

Job Ticket: 28643

DST#: 1

Test Start: 2007.06.08 @ 13:37:03

GENERAL INFORMATION:

Formation: LKC A- C

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:22:03

Time Test Ended: 19:53:18

Interval: 2997.00 ft (KB) To 3070.00 ft (KB) (TVD)

Total Depth: 3070.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister

Unit No: 32

Reference Elevations: 1797.00 ft (KB)

1790.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6719

Inside

Press@RunDepth: 25.20 psig @ 3000.00 ft (KB)

Start Date: 2007.06.08

End Date:

2007.06.08

Capacity: 7000.00 psig

Last Calib.: 2007.06.08

Start Time: 13:37:05

End Time:

19:53:18

Time On Btm: 2007.06.08 @ 15:21:48

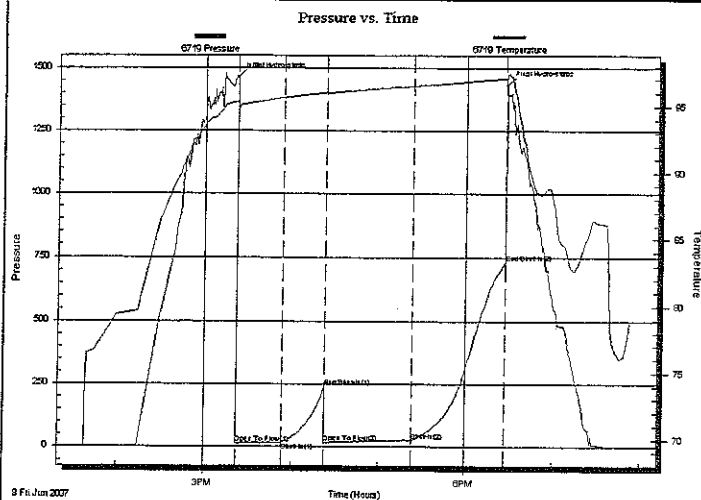
Time Off Btm: 2007.06.08 @ 18:27:33

TEST COMMENT: IF Slowly built to 2.5 "

ISI Dead

FF B of B 25 m

FSI Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1462.41	95.36	Initial Hydro-static
1	12.29	94.62	Open To Flow (1)
32	16.69	95.67	Shut-In(1)
61	240.90	96.06	End Shut-In(1)
62	18.12	96.01	Open To Flow (2)
122	25.20	96.52	Shut-In(2)
186	727.49	97.12	End Shut-In(2)
186	1432.91	97.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OSDM1%o99%m	0.42
0.00	GIP 150	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

Houghton/ Reiser#1

PO Box 837
Russell KS 67665

28 14 15 Russell KS

Job Ticket: 28643

DST#: 1

ATTN: Brad Hutchison

Test Start: 2007.06.08 @ 13:37:03

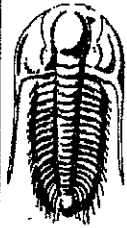
Tool Information

Drill Pipe:	Length: 3007.00 ft	Diameter: 3.80 inches	Volume: 42.18 bbl	Tool Weight:	2000.00 lb	
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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:	35000.00 lb	
			Total Volume:	42.18 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	31000.00 lb	
Depth to Top Packer:	2997.00 ft			Final	31000.00 lb	
Depth to Bottom Packer:	ft					
Interval between Packers:	73.00 ft					
Tool Length:	94.00 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			2977.00	
Shut In Tool	5.00			2982.00	
Hydraulic tool	5.00			2987.00	
Packer	5.00			2992.00	21.00 Bottom Of Top Packer
Packer	5.00			2997.00	
Stubb	1.00			2998.00	
Perforations	1.00			2999.00	
Change Over Sub	1.00			3000.00	
Recorder	0.00	6719	Inside	3000.00	
Blank Spacing	61.00			3061.00	
Change Over Sub	1.00			3062.00	
Perforations	5.00			3067.00	
Recorder	0.00	13221	Outside	3067.00	
Bullnose	3.00			3070.00	73.00 Bottom Packers & Anchor

Total Tool Length: 94.00



TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Prospect Oil & Gas

Houghton/ Reiser#1

PO Box 837
Russell KS 67665

28 14 15 Russell KS

Job Ticket: 28643

DST#: 1

ATTN: Brad Hutchison

Test Start: 2007.06.08 @ 13:37:03

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: sec/qt

Cushion Volume:

bbl

Water Loss: 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
30.00	OSDM1%o99%m	0.421
0.00	GIP 150	0.000

Total Length: 30.00 ft

Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6719

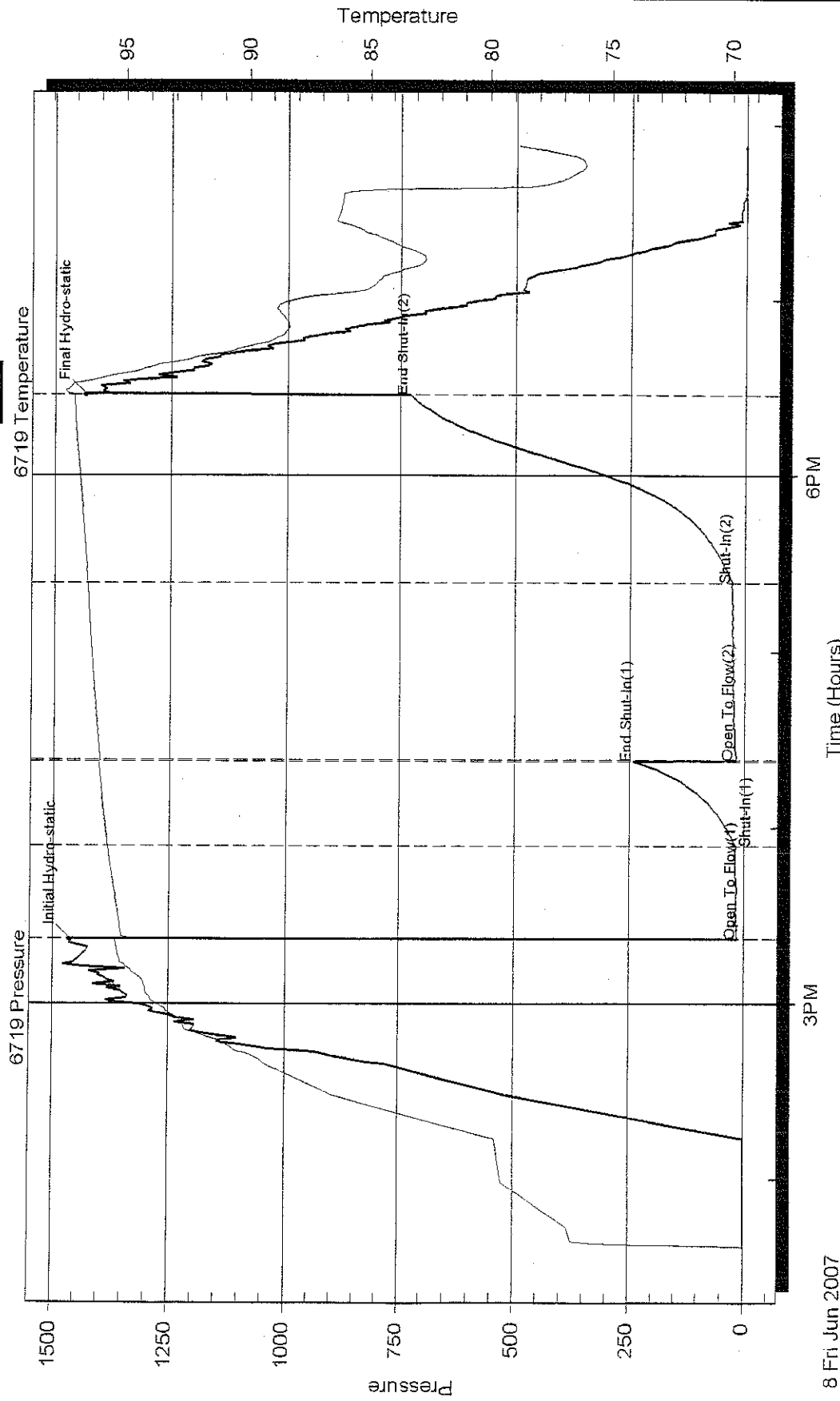
Inside

Prospect Oil & Gas

28 14 15 Russell KS

DST Test Number: 1

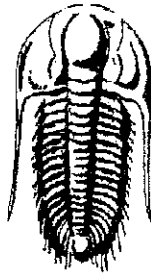
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 28643

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prospect Oil & Gas**

PO Box 837
Russell KS 67665

ATTN: Brad Hutchison

28 14 15 Russell KS

Houghton/ Reiser#1

Start Date: 2007.06.09 @ 04:10:16

End Date: 2007.06.09 @ 10:53:01

Job Ticket #: 28644 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

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Prospect Oil & Gas

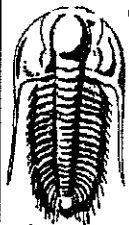
Houghton/ Reiser#1

28 14 15 Russell KS

DST # 2

LKC

2007.06.09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prospect Oil & Gas

Houghton/ Reiser#1

PO Box 837
Russell KS 67665

28 14 15 Russell KS

Job Ticket: 28644

DST#: 2

ATTN: Brad Hutchison

Test Start: 2007.06.09 @ 04:10:16

GENERAL INFORMATION:

Formation: LKC

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:44:46

Time Test Ended: 10:53:01

Test Type: Conventional Bottom Hole

Tester: Michael Armbrister/J

Unit No: 32

Interval: 3074.00 ft (KB) To 3126.00 ft (KB) (TVD)

Total Depth: 3126.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1797.00 ft (KB)

1790.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 6719

Inside

Press@RunDepth: 191.46 psig @ 3077.00 ft (KB)

Start Date: 2007.06.09

End Date:

2007.06.09

Capacity: 7000.00 psig

Last Calib.: 2007.06.09

Start Time: 04:10:18

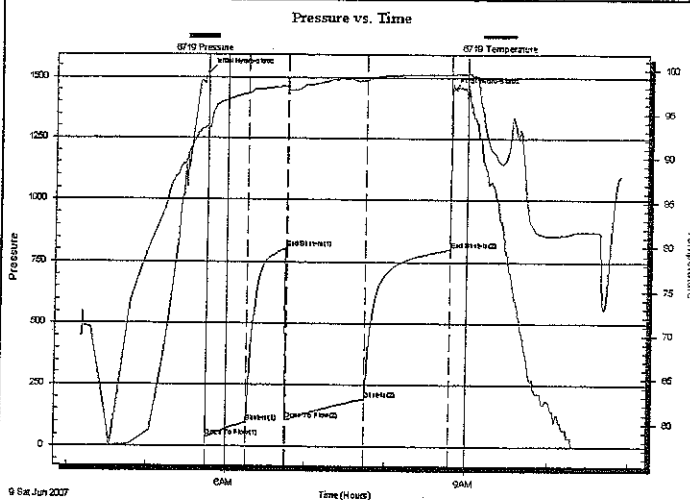
End Time:

10:53:01

Time On Btm: 2007.06.09 @ 05:44:31

Time Off Btm: 2007.06.09 @ 08:48:01

TEST COMMENT: IF B of B 1 m 30 s
ISIB of B 25 m
FF B of B 1 m 30 s Gas to surface 50 m
FSIB of B 6 m



PRESSURE SUMMARY

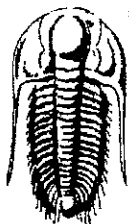
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1518.62	93.67	Initial Hydro-static
1	37.50	93.42	Open To Flow (1)
31	97.18	97.34	Shut-In (1)
60	804.80	98.14	End Shut-In (1)
61	106.17	97.81	Open To Flow (2)
120	191.46	98.87	Shut-In (2)
183	801.58	99.49	End Shut-In (2)
184	1442.52	99.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
430.00	Gassy Oil 40%G 60%O	6.03
45.00	Salt Water	0.63

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

TOOL DIAGRAM

Prospect Oil & Gas

Houghton/ Reiser#1

PO Box 837
Russell KS 67665

28 14 15 Russell KS

Job Ticket: 28644

DST#: 2

ATTN: Brad Hutchison

Test Start: 2007.06.09 @ 04:10:16

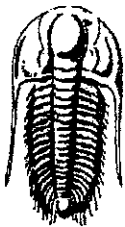
Tool Information

Drill Pipe:	Length: 3069.00 ft	Diameter: 3.80 inches	Volume: 43.05 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 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: 40000.00 lb
		Total Volume: 43.05 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3074.00 ft			Final 34000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.00 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
Change Over Sub	1.00			3054.00	
Shut In Tool	5.00			3059.00	
Hydraulic tool	5.00			3064.00	
Packer	5.00			3069.00	21.00 Bottom Of Top Packer
Packer	5.00			3074.00	
Stubb	1.00			3075.00	
Perforations	1.00			3076.00	
Change Over Sub	1.00			3077.00	
Recorder	0.00	6719	Inside	3077.00	
Blank Spacing	31.00			3108.00	
Change Over Sub	1.00			3109.00	
Perforations	14.00			3123.00	
Recorder	0.00	13221	Outside	3123.00	
Bullnose	3.00			3126.00	52.00 Bottom Packers & Anchor

Total Tool Length: 73.00



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Houghton/ Reiser#1

PO Box 837
Russell KS 67665

28 14 15 Russell KS

Job Ticket: 28644

DST#: 2

ATTN: Brad Hutchison

Test Start: 2007.06.09 @ 04:10:16

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: lb/gal

Cushion Length:

ft

Water Salinity:

29000 ppm

Viscosity: sec/qt

Cushion Volume:

bbbl

Water Loss: 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
430.00	Gassy Oil 40%G 60%O	6.032
45.00	Salt Water	0.631

Total Length: 475.00 ft

Total Volume: 6.663 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

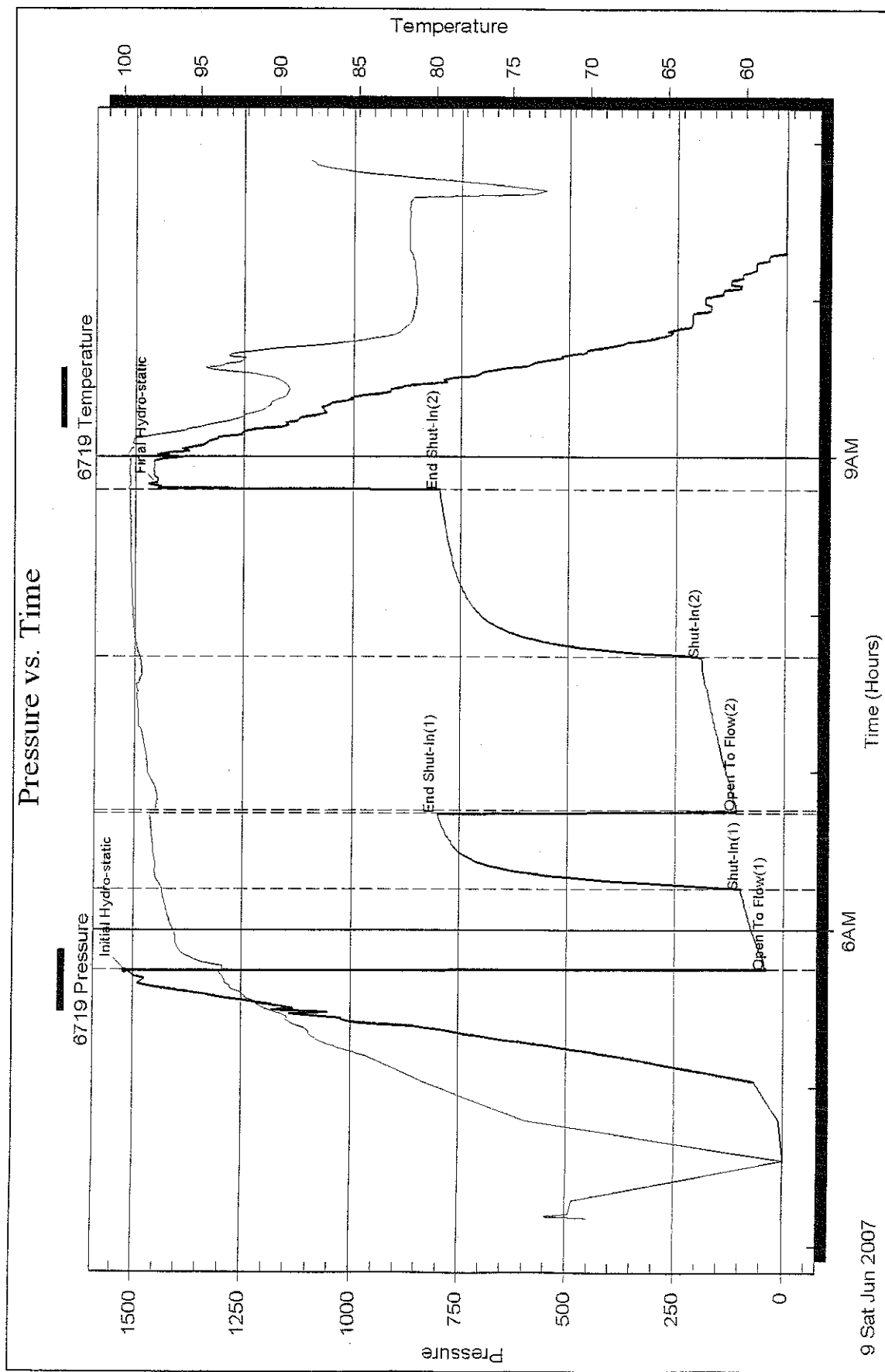
Serial #: 6719

Inside

Prospect Oil & Gas

28 14 15 Russell KS

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 28644

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