

15-063-21646

22-13s-30w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration**

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

22 13S 30W Gove KS

Brookover #7

Start Date: 2007.01.29 @ 17:54:21

End Date: 2007.01.30 @ 00:52:45

Job Ticket #: 26411 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 26 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Falcon Exploration

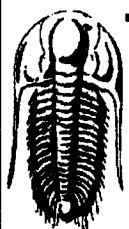
Brookover #7

22 13S 30W Gove KS

DST # 1

Lower Shawnee

2007.01.29



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Falcon Exploration

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

Brookover #7

22 13S 30W Gove KS

Job Ticket: 26411

DST#: 1

Test Start: 2007.01.29 @ 17:54:21

GENERAL INFORMATION:

Formation: **Lower Shawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:25:31

Time Test Ended: 00:52:45

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **3779.00 ft (KB) To 3797.00 ft (KB) (TVD)**

Total Depth: 3797.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2880.00 ft (KB)

2875.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 17.13 psig @ 3780.00 ft (KB)

Start Date: 2007.01.29

End Date:

2007.01.30

Start Time: 17:54:21

End Time:

00:52:45

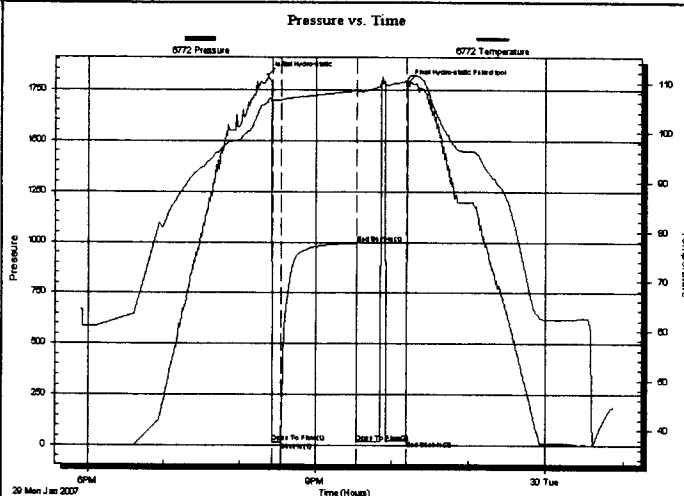
Capacity: 7000.00 psig

Last Calib.: 2007.01.30

Time On Btm: 2007.01.29 @ 20:21:46

Time Off Btm:

TEST COMMENT: IF 1/4 blow died to surface
IS No return
FF No blow Flushed tool no blow
Pulled tool



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1819.74	106.15	Initial Hydro-static
4	14.68	106.22	Open To Flow (1)
11	17.13	106.54	Shut-in(1)
71	993.69	108.42	End Shut-in(1)
71	17.61	108.19	Open To Flow (2)
110	25.78	110.36	End Shut-in(2)
111	1783.30	110.83	Final Hydro-static Pulled tool

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud Oil spots 100%M	0.28

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration

Brookover #7

125 N Market Ste 1255
Wichita KS 67202

22 13S 30W Gove KS

Job Ticket: 26411

DST#: 1

ATTN: Ted Jochems

Test Start: 2007.01.29 @ 17:54:21

Tool Information

Drill Pipe:	Length: 3760.00 ft	Diameter: 3.80 inches	Volume: 52.74 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
		Total Volume:	52.74 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial	40000.00 lb
Depth to Top Packer:	3779.00 ft			Final	40000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	45.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			3753.00	
Shut In Tool	5.00			3758.00	
Hydraulic tool	5.00			3763.00	
Jars	5.00			3768.00	
Safety Joint	2.00			3770.00	
Packer	5.00			3775.00	27.00 Bottom Of Top Packer
Packer	4.00			3779.00	
Stubb	1.00			3780.00	
Recorder	0.00	6772	Inside	3780.00	
Perforations	12.00			3792.00	
Recorder	0.00	7437	Outside	3792.00	
Bullnose	5.00			3797.00	18.00 Bottom Packers & Anchor
Total Tool Length:		45.00			



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration

Brookover #7

125 N Market Ste 1255
Wichita KS 67202

22 13S 30W Gove KS

Job Ticket: 26411

DST#: 1

ATTN: Ted Jochems

Test Start: 2007.01.29 @ 17:54:21

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: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3100.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud Oil spots 100%M	0.281

Total Length: 20.00 ft Total Volume: 0.281 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

DST Test Number: 1

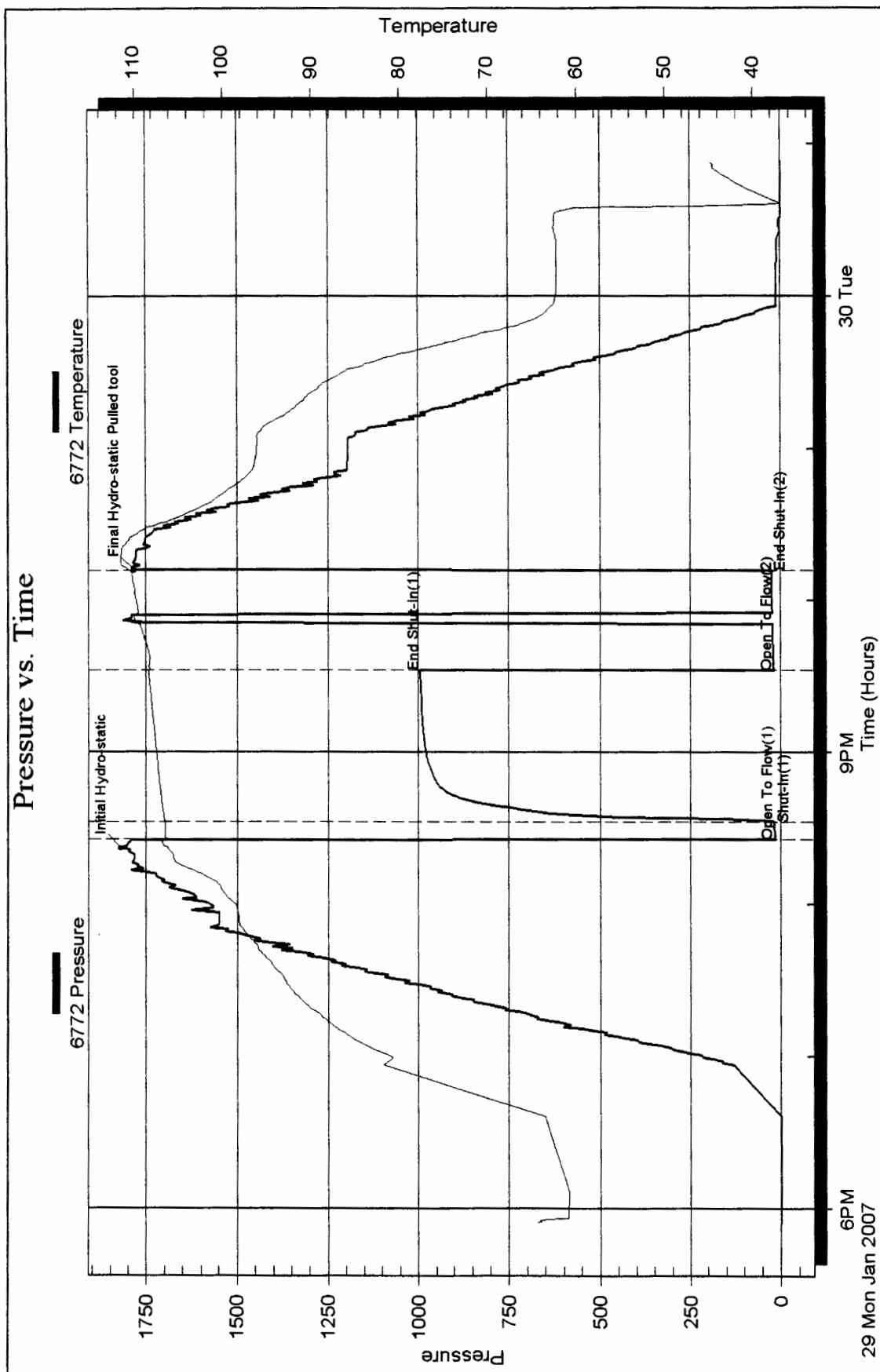
22 13S 30W Cove KS

Falcon Exploration

Inside

Serial #: 6772

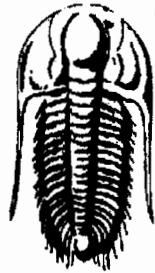
Pressure vs. Time



Ref. No: 26411

Trilobite Testing, Inc

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration**

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

22 13S 30W Gove KS

Brookover #7

Start Date: 2007.02.01 @ 11:58:19

End Date: 2007.02.01 @ 18:24:28

Job Ticket #: 26412 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 26 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Falcon Exploration

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

Brookover #7

22 13S 30W Gove KS

Job Ticket: 26412

DST#: 2

Test Start: 2007.02.01 @ 11:58:19

GENERAL INFORMATION:

Formation: **Myric- Ft Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:08:29

Time Test Ended: 18:24:28

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4301.00 ft (KB) To 4410.00 ft (KB) (TVD)**

Total Depth: 4410.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2880.00 ft (KB)

2875.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 21.95 psig @ 4302.00 ft (KB)

Start Date: 2007.02.01

End Date:

2007.02.01

Capacity: 7000.00 psig

Last Calib.: 2007.02.01

Start Time: 11:58:19

End Time:

18:24:28

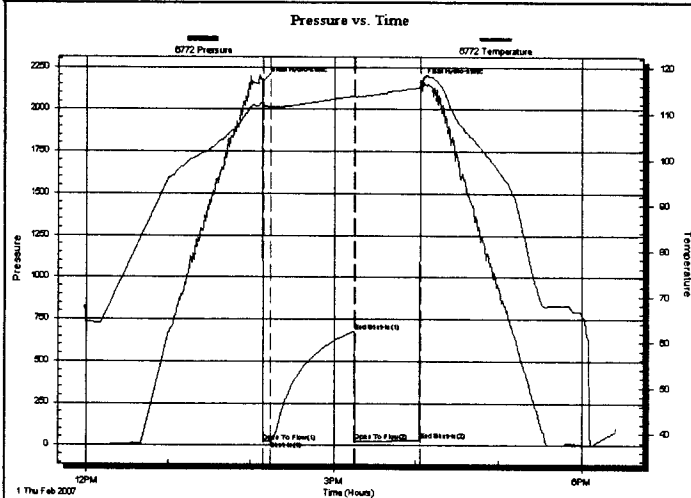
Time On Btm: 2007.02.01 @ 14:08:14

Time Off Btm: 2007.02.01 @ 16:03:14

TEST COMMENT: IF 1/4 blow built to 1/2 in 6 min.

IS No return

FF No blow Flushed tool no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2170.27	112.35	Initial Hydro-static
1	20.62	111.47	Open To Flow (1)
6	21.95	111.43	Shut-In (1)
67	677.63	113.80	End Shut-In (1)
67	22.77	113.66	Open To Flow (2)
115	30.11	115.66	End Shut-In (2)
115	2161.00	116.69	Final Hydro-static

Recovery

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

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

Brookover #7

22 13S 30W Gove KS

Job Ticket: 26412

DST#: 2

Test Start: 2007.02.01 @ 11:58:19

Tool Information

Drill Pipe:	Length: 4286.00 ft	Diameter: 3.80 inches	Volume: 60.12 bbl	Tool Weight:	1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	70000.00 lb
			Total Volume: 60.12 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	44000.00 lb
Depth to Top Packer:	4301.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	109.00 ft				
Tool Length:	136.00 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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Stubb	1.00			4275.00	
Shut In Tool	5.00			4280.00	
Hydraulic tool	5.00			4285.00	
Jars	5.00			4290.00	
Safety Joint	2.00			4292.00	
Packer	5.00			4297.00	27.00 Bottom Of Top Packer
Packer	4.00			4301.00	
Stubb	1.00			4302.00	
Recorder	0.00	6772	Inside	4302.00	
Perforations	7.00			4309.00	
Change Over Sub	1.00			4310.00	
Drill Pipe	94.00			4404.00	
Change Over Sub	1.00			4405.00	
Recorder	0.00	7437	Outside	4405.00	
Bullnose	5.00			4410.00	109.00 Bottom Packers & Anchor

Total Tool Length: 136.00



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DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration

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125 N Market Ste 1255
Wichita KS 67202

22 13S 30W Gove KS

Job Ticket: 26412

DST#: 2

ATTN: Ted Jochems

Test Start: 2007.02.01 @ 11:58:19

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: 7.19 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2600.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.140

Total Length: 10.00 ft

Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

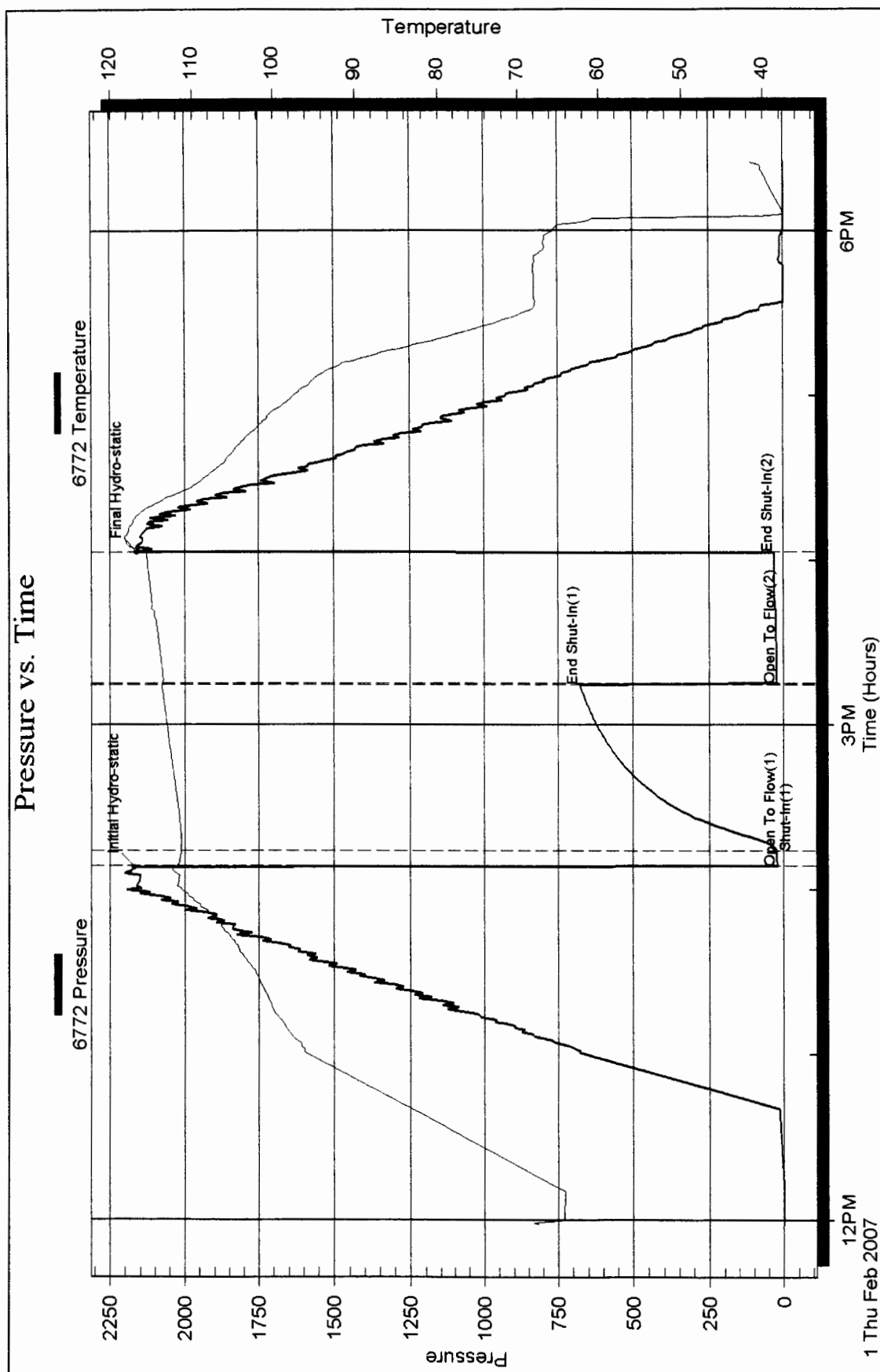
Serial #:

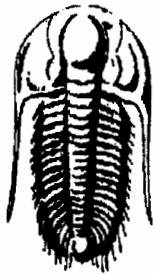
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





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DRILL STEM TEST REPORT

Prepared For: **Falcon Exploration**

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

22 13S 30W Gove KS

Brookover #7

Start Date: 2007.02.02 @ 18:10:59

End Date: 2007.02.03 @ 05:05:39

Job Ticket #: 26433 DST #: 3

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 26 2008

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WICHITA, KS

Trilobite Testing, Inc
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ph: 785-625-4778 fax: 785-625-5620



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DRILL STEM TEST REPORT

Falcon Exploration

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

Brookover #7

22 13S 30W Gove KS

Job Ticket: 26433

DST#: 3

Test Start: 2007.02.02 @ 18:10:59

GENERAL INFORMATION:

Formation: **miss**

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

Time Tool Opened: 20:52:39

Time Test Ended: 05:05:39

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **40**

Interval: **4460.00 ft (KB) To 4554.00 ft (KB) (TVD)**

Total Depth: **4554.00 ft (KB) (TVD)**

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

Reference Elevations: **2880.00 ft (KB)**

2875.00 ft (CF)

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

Serial #: 6667

Inside

Press@RunDepth: **46.42 psig @ 4461.00 ft (KB)**

Start Date: **2007.02.02**

End Date:

2007.02.03

Capacity: **7000.00 psig**

Last Calib.: **2007.02.03**

Start Time: **18:10:59**

End Time:

04:47:39

Time On Btm: **2007.02.02 @ 20:52:09**

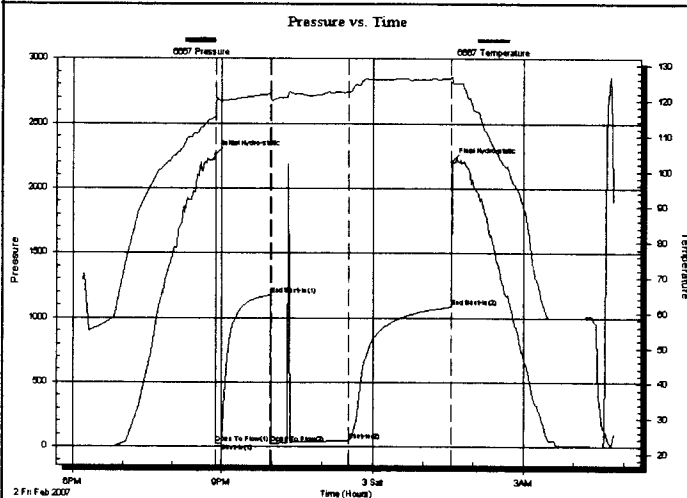
Time Off Btm: **2007.02.03 @ 01:34:24**

TEST COMMENT: **3/4 " blow**

No return

No blow flush tool @ 20 min. good surge weak surface blow 17min. after flush

No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.89	115.30	Initial Hydro-static
1	22.16	118.74	Open To Flow (1)
8	23.41	119.91	Shut-In (1)
66	1175.19	121.87	End Shut-In (1)
67	25.93	120.46	Open To Flow (2)
160	46.42	122.43	Shut-In (2)
282	1084.81	126.35	End Shut-In (2)
283	2204.54	126.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SMCO 10%M 90%O	0.07
55.00	OCM 25%O 75%M	0.77

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Falcon Exploration

125 N Market Ste 1255
Wichita KS 67202

ATTN: Ted Jochems

Brookover #7

22 13S 30W Gove KS

Job Ticket: 26433

DST#: 3

Test Start: 2007.02.02 @ 18:10:59

Tool Information

Drill Pipe:	Length: 4440.00 ft	Diameter: 3.80 inches	Volume: 62.28 bbl	Tool Weight:	1500.00 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
		Total Volume:	62.28 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	4460.00 ft			Final	46000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	94.00 ft				
Tool Length:	120.00 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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Shut In Tool	5.00			4439.00	
Hydraulic tool	5.00			4444.00	
Jars	5.00			4449.00	
Safety Joint	2.00			4451.00	
Packer	5.00			4456.00	26.00 Bottom Of Top Packer
Packer	4.00		Inside	4460.00	
Stubb	1.00			4461.00	
Recorder	0.00	6667	Inside	4461.00	
Perforations	24.00			4485.00	
Change Over Sub	1.00			4486.00	
Drill Pipe	62.00			4548.00	
Change Over Sub	1.00			4549.00	
Recorder	0.00	11058		4549.00	
Bullnose	5.00			4554.00	94.00 Bottom Packers & Anchor

Total Tool Length: 120.00



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TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Falcon Exploration

Brookover #7

125 N Market Ste 1255
Wichita KS 67202

22 13S 30W Gove KS

Job Ticket: 26433

DST#: 3

ATTN: Ted Jochems

Test Start: 2007.02.02 @ 18:10:59

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.56 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
5.00	SMCO 10%M 90%O	0.070
55.00	OCM 25%O 75%M	0.772

Total Length: 60.00 ft

Total Volume: 0.842 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6667

Inside

Falcon Exploration

22 13S 30W Gove KS

DST Test Number: 3

