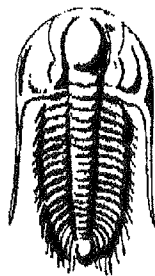


15-167-23407

8-125-13w

KGS



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: John O Farmer IV

8 12 13W Russell KS

Trapp A#1

Start Date: 2007.02.03 @ 22:55:19

End Date: 2007.02.04 @ 05:45:43

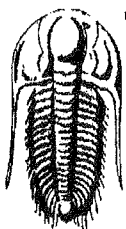
Job Ticket #: 28203 DST #: 1

KCC
MAY 21 2007
CONFIDENTIAL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: John O Farmer IV

Trapp A#1

8 12 13W Russell KS

Job Ticket: 28203

DST#: 1

Test Start: 2007.02.03 @ 22:55:19

GENERAL INFORMATION:

Formation: **LKC A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:53:14

Time Test Ended: 05:45:43

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: 2975.00 ft (KB) To 3011.00 ft (KB) (TVD)

Total Depth: 3011.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1757.00 ft (KB)

1749.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 298.69 psig @ 2983.01 ft (KB)

Start Date: 2007.02.03

End Date:

2007.02.04

Start Time: 22:55:19

End Time:

05:45:43

Capacity: 7000.00 psig

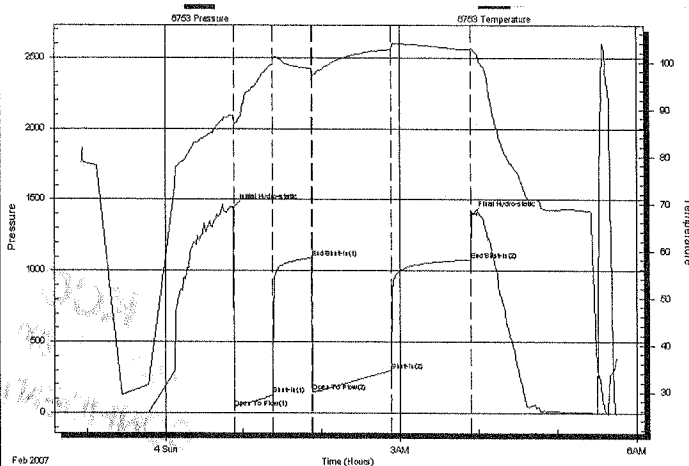
Last Calib.: 2007.02.04

Time On Btm: 2007.02.04 @ 00:52:44

Time Off Btm: 2007.02.04 @ 03:54:43

TEST COMMENT: IFP Wk to strg in 7 min
FFP Wk to strg in 10 min
ISIP Surface bl bk
FSIP Surface bl bk Time 30 30 60 60

Pressure vs. Time



PRESSURE SUMMARY

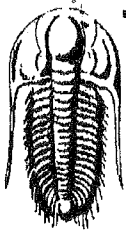
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1442.03	88.68	Initial Hydro-static
1	35.72	86.91	Open To Flow (1)
30	124.66	99.63	Shut-In (1)
60	1089.94	98.71	End Shut-In (1)
61	146.01	97.07	Open To Flow (2)
121	298.69	102.73	Shut-In (2)
182	1079.54	102.66	End Shut-In (2)
182	1394.18	102.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	Water RW .09 @ 72F	4.78
100.00	SO&GCMW 4%G 2%O 10%M 84%W	1.40
50.00	CO	0.70
0.00	90'GIP	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

John O Farmer Inc

Trapp A#1

PO Box 352
Russell KS 67665

8 12 13W Russell KS

ATTN: John O Farmer IV

Job Ticket: 28203

DST#: 1

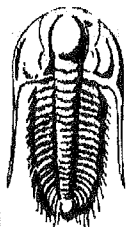
Test Start: 2007.02.03 @ 22:55:19

Tool Information

Drill Pipe:	Length: 2944.00 ft	Diameter: 3.80 inches	Volume: 41.30 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
		Total Volume: 41.45 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 36000.00 lb
Depth to Top Packer:	2975.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.02 ft			
Tool Length:	57.02 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			2955.00	
Shut In Tool	5.00			2960.00	
Hydraulic tool	5.00			2965.00	
Packer	5.00			2970.00	21.00 Bottom Of Top Packer
Packer	5.00			2975.00	
Stubb	1.00			2976.00	
Perforations	7.00			2983.00	
Recorder	0.01	6753	Inside	2983.01	
Perforations	25.00			3008.01	
Recorder	0.01	13634	Outside	3008.02	
Bullnose	3.00			3011.02	36.02 Bottom Packers & Anchor

Total Tool Length: 57.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Trapp A#1

PO Box 352
Russell KS 67665

8 12 13W Russell KS

Job Ticket: 28203

DST#: 1

ATTN: John O Farmer IV

Test Start: 2007.02.03 @ 22:55:19

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.77 in³

Resistivity: ohm.m

Salinity: 4000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

40 deg API

Water Salinity: 85000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	Water RW .09 @ 72F	4.777
100.00	SO&GCMW 4%G 2%O 10%M 84%W	1.403
50.00	CO	0.701
0.00	90'GIP	0.000

Total Length: 510.00 ft

Total Volume: 6.881 bbl

Num Fluid Samples: 0

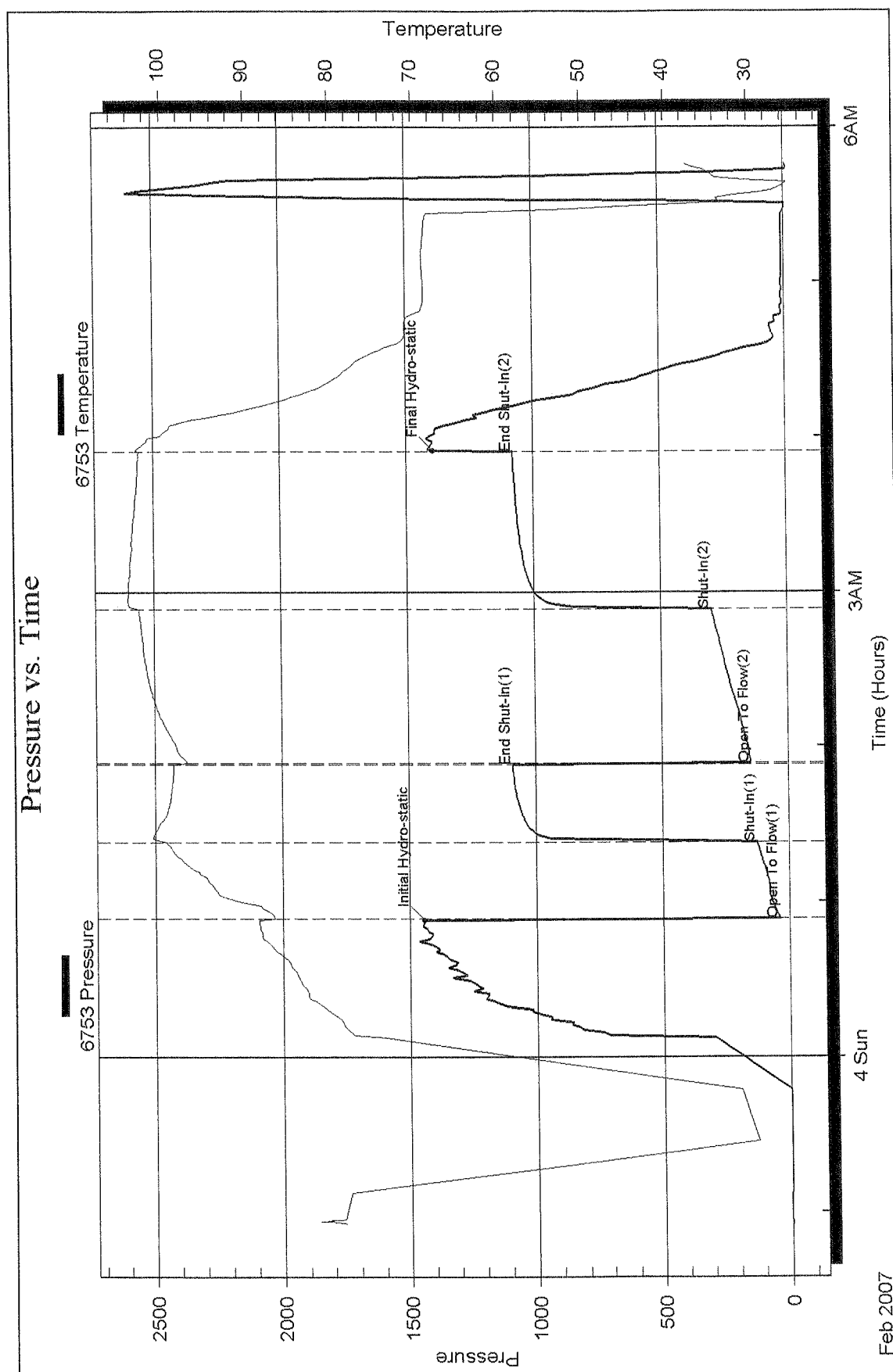
Num Gas Bombs: 0

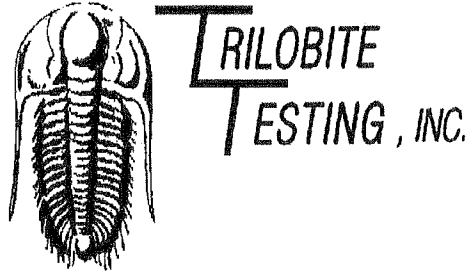
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665

ATTN: John O Farmer IV

8 12 13W Russell KS

Trapp A#1

Start Date: 2007.02.04 @ 13:08:54

End Date: 2007.02.04 @ 19:12:48

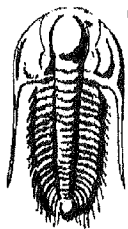
Job Ticket #: 28204

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

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: John O Farmer IV

Trapp A#1

8 12 13W Russell KS

Job Ticket: 28204

DST#: 2

Test Start: 2007.02.04 @ 13:08:54

GENERAL INFORMATION:

Formation: **LKC G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:20:19

Time Test Ended: 19:12:48

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3028.00 ft (KB) To 3075.00 ft (KB) (TVD)**

Total Depth: 3075.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Fair

Reference Elevations: 1757.00 ft (KB)

1749.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 164.22 psig @ 3036.01 ft (KB)

Start Date: 2007.02.04

End Date:

2007.02.04

Capacity: 7000.00 psig

Last Calib.: 2007.02.04

Start Time: 13:08:54

End Time:

19:12:48

Time On Btm: 2007.02.04 @ 14:19:49

Time Off Btm: 2007.02.04 @ 17:24:49

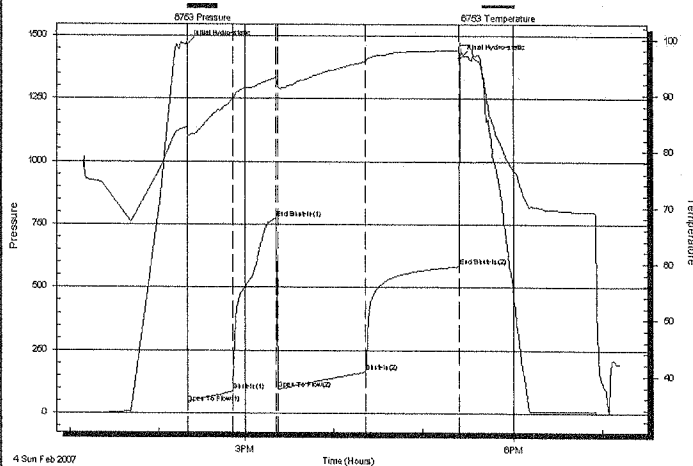
TEST COMMENT: IFP Wk to strg in 10 min

FFP Wk to strg in 17 min

ISIP Surface bl bk

FSIP 1/4 " bl bk Time 30 30 60 60

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1465.25	84.35	Initial Hydro-static
1	37.98	82.81	Open To Flow (1)
32	87.83	89.27	Shut-In (1)
62	773.98	93.11	End Shut-In (1)
63	95.33	91.50	Open To Flow (2)
122	164.22	96.01	Shut-In (2)
185	583.66	98.12	End Shut-In (2)
185	1410.08	99.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	SO&GCMW 5%G 2%O 10%M 83%W	1.41
120.00	MGO 20%G 65%O 10%W 5%M	1.68
80.00	HO&GCM 10%G 30%O 10%W 50%M	1.12
0.00	400' GIP	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

John O Farmer Inc

PO Box 352
Russell KS 67665

ATTN: John O Farmer IV

Trapp A#1

8 12 13W Russell KS

Job Ticket: 28204

DST#: 2

Test Start: 2007.02.04 @ 13:08:54

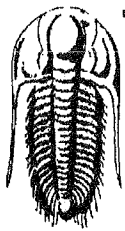
Tool Information

Drill Pipe:	Length: 3005.00 ft	Diameter: 3.80 inches	Volume: 42.15 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
		Total Volume:	42.30 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	46000.00 lb
Depth to Top Packer:	3028.00 ft			Final	49000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	47.02 ft				
Tool Length:	68.02 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			3008.00	
Shut In Tool	5.00			3013.00	
Hydraulic tool	5.00			3018.00	
Packer	5.00			3023.00	21.00 Bottom Of Top Packer
Packer	5.00			3028.00	
Stubb	1.00			3029.00	
Perforations	7.00			3036.00	
Recorder	0.01	6753	Inside	3036.01	
Perforations	3.00			3039.01	
Recorder	0.01	13634	Outside	3039.02	
Blank Spacing	33.00			3072.02	
Bullnose	3.00			3075.02	47.02 Bottom Packers & Anchor

Total Tool Length: 68.02



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

Trapp A#1

PO Box 352
Russell KS 67665

8 12 13W Russell KS

Job Ticket: 28204

DST#: 2

ATTN: John O Farmer IV

Test Start: 2007.02.04 @ 13:08:54

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:

96000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 9.77 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	SO&GCMW 5%G 2%O 10%M 83%W	1.410
120.00	MGO 20%G 65%O 10%W 5%M	1.683
80.00	HO&GCM 10%G 30%O 10%W 50%M	1.122
0.00	400' GIP	0.000

Total Length: 320.00 ft

Total Volume:

4.215 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .12 @ 46F

