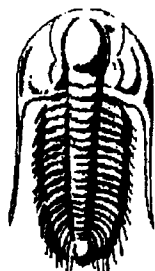


IND



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum, Inc.**

126 E Main P.O. Box 360 Valley Center, KS
67147

ATTN: Brad Rine

17 31S 30W Meade KS

Kiger A 1-17

Start Date: 2008.12.03 @ 00:54:55

End Date: 2008.12.03 @ 11:18:13

Job Ticket #: 31037 DST #: 1

KCC
FEB 2 5 2009
CONFIDENTIAL

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 2 5 2009
CONSERVATION DIVISION
WICHITA, KS

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

Daystar Petroleum, Inc.

Kiger A 1-17

17 31S 30W Meade KS

DST # 1

Morrow-Chester

2008.12.03



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

Job Ticket: 31037

DST#: 1

ATTN: Brad Rine

Test Start: 2008.12.03 @ 00:54:55

GENERAL INFORMATION:

Formation: **Morrow-Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:46:24

Time Test Ended: 11:18:13

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5386.00 ft (KB) To 5480.00 ft (KB) (TVD)**

Total Depth: 5480.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2775.00 ft (KB)

2765.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6753

Inside

Press@RunDepth: 47.88 psig @ 5388.00 ft (KB)

Start Date: 2008.12.03

End Date:

2008.12.03

Start Time: 00:54:55

End Time:

11:18:13

Capacity: 7000.00 psig

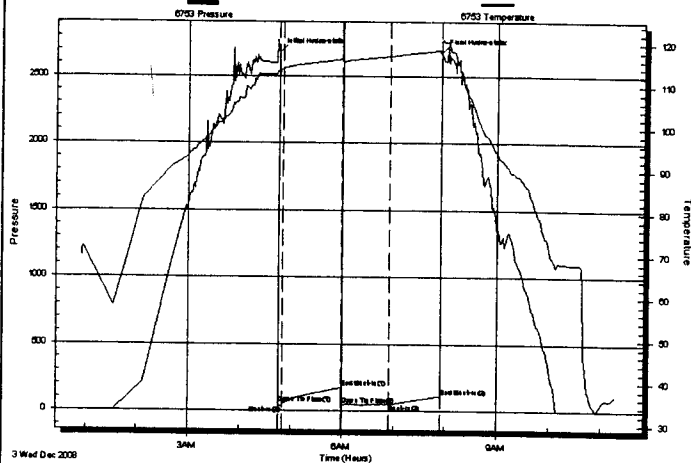
Last Calib.: 2008.12.03

Time On Btm: 2008.12.03 @ 04:45:54

Time Off Btm: 2008.12.03 @ 07:55:04

TEST COMMENT: IF: 3 inches in 2 min., fair building blow
IS: No blow back
FF: 6 inches in 60 min., fair building blow
FS: No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2680.26	113.40	Initial Hydro-static
1	53.76	112.56	Open To Flow (1)
5	39.72	113.95	Shut-In(1)
73	173.55	116.32	End Shut-In(1)
74	40.51	115.38	Open To Flow (2)
129	47.88	117.02	Shut-In(2)
189	110.96	118.46	End Shut-In(2)
190	2676.69	120.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	100%M	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

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

Job Ticket: 31037

DST#: 1

ATTN: Brad Rine

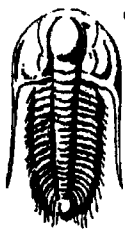
Test Start: 2008.12.03 @ 00:54:55

Tool Information

Drill Pipe:	Length: 5060.00 ft	Diameter: 3.80 inches	Volume: 70.98 bbl	Tool Weight: 2000.00 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: 304.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose: 120000.0 lb
		Total Volume: 72.48 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	5386.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	94.00 ft			
Tool Length:	122.00 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			5359.00	
Shut In Tool	5.00			5364.00	
Hydraulic tool	5.00			5369.00	
Jars	5.00			5374.00	
Safety Joint	3.00			5377.00	
Packer	5.00			5382.00	28.00 Bottom Of Top Packer
Packer	4.00			5386.00	
Stubb	1.00			5387.00	
Perforations	1.00			5388.00	
Recorder	0.00	8374	Inside	5388.00	
Recorder	0.00	6753	Inside	5388.00	
Perforations	25.00			5413.00	
Change Over Sub	1.00			5414.00	
Drill Pipe	62.00			5476.00	
Change Over Sub	1.00			5477.00	
Bullnose	3.00			5480.00	94.00 Bottom Packers & Anchor
Total Tool Length:		122.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

Job Ticket: 31037

DST#: 1

ATTN: Brad Rine

Test Start: 2008.12.03 @ 00:54:55

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:

3600 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	100%M	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: RW=1.753@72F=3600

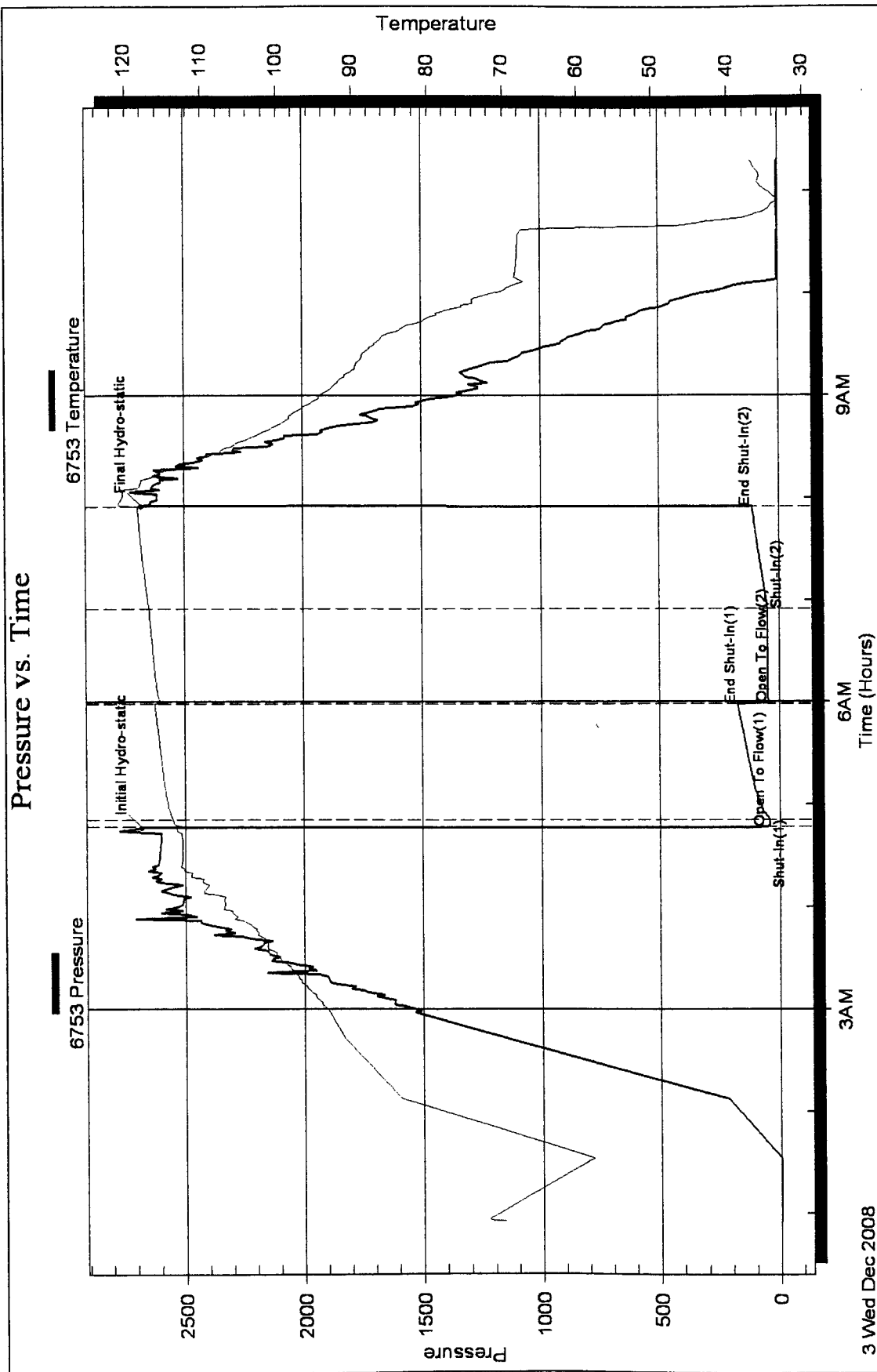
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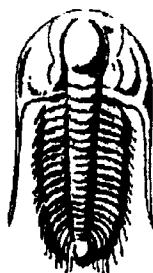
17 31S 30W Meade KS

Inside Daystar Petroleum, Inc.

Serial #: 6753

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum, Inc.**

126 E Main P.O. Box 360 Valley Center, KS
67147

ATTN: Brad Rine

17 31S 30W Meade KS

Kiger A 1-17

Start Date: 2008.12.04 @ 04:33:00

End Date: 2008.12.04 @ 16:25:00

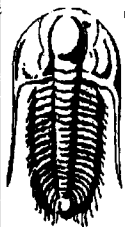
Job Ticket #: 33570 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

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KANSAS CORPORATION COMMISSION
MAR 25 2009
CONSERVATION DIVISION
WICHITA, KS



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

ATTN: Brad Rine

Job Ticket: 33570

DST#: 2

Test Start: 2008.12.04 @ 04:33:00

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:39:45

Time Test Ended: 16:25:00

Test Type: Conventional Bottom Hole

Tester: Chuck Smith

Unit No: 37

Interval: **5386.00 ft (KB) To 5660.00 ft (KB) (TVD)**

Reference Elevations: 2775.00 ft (KB)

Total Depth: 5660.00 ft (KB) (TVD)

2765.00 ft (CF)

Hole Diameter: 7.78 inches Hole Condition: Good

KB to GR/CF: 10.00 ft

Serial #: 8351 Inside

Press@RunDepth: 132.16 psig @ 5390.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.12.04

End Date:

2008.12.04

Last Calib.: 2008.12.04

Start Time: 04:33:01

End Time:

16:25:00

Time On Btm: 2008.12.04 @ 07:38:00

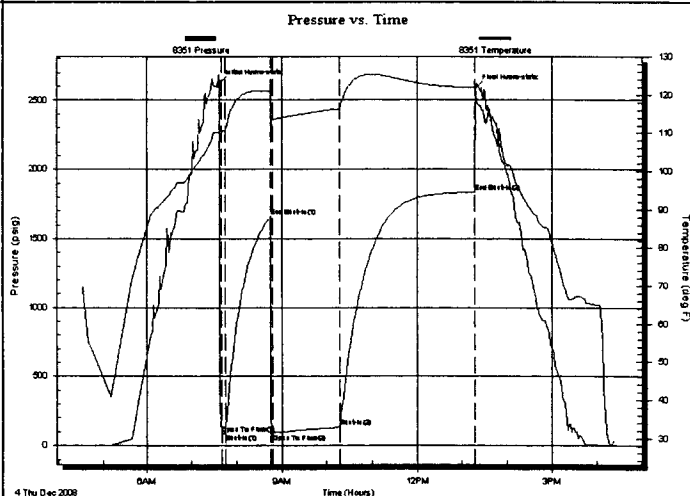
Time Off Btm: 2008.12.04 @ 13:18:00

TEST COMMENT: IF: B.O.B. @ 2 min., GTS @ 4 min.

IS: No return.

FF: Immediate B.O.B. Gauged 30# @ 1/8" choke.

FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2624.13	110.01	Initial Hydro-static
2	86.63	109.94	Open To Flow (1)
7	87.19	110.82	Shut-In(1)
67	1660.19	120.84	End Shut-In(1)
70	86.60	113.26	Open To Flow (2)
159	132.16	116.30	Shut-In(2)
340	1835.37	121.90	End Shut-In(2)
340	2589.95	119.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
122.00	GM 18%G 82%M	0.60
168.00	GM 10%G 90%M	0.83
0.00	14 Weak GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	6.00	7.64
Last Gas Rate	0.13	27.00	15.50
Max. Gas Rate	0.13	27.00	15.50



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

Job Ticket: 33570

DST#: 2

ATTN: Brad Rine

Test Start: 2008.12.04 @ 04:33:00

Tool Information

Drill Pipe:	Length: 5062.00 ft	Diameter: 3.80 inches	Volume: 71.01 bbl	Tool Weight: 2500.00 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: 304.00 ft	Diameter: 2.25 inches	Volume: 1.50 bbl	Weight to Pull Loose: 85000.00 lb
		Total Volume: 72.51 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	7.50 ft			String Weight: Initial 81000.00 lb
Depth to Top Packer:	5386.00 ft			Final 81000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	274.00 ft			
Tool Length:	301.50 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			5359.50	
Shut In Tool	5.00			5364.50	
Hydraulic tool	5.00			5369.50	
Jars	5.00			5374.50	
Safety Joint	2.50			5377.00	
Packer	5.00			5382.00	27.50 Bottom Of Top Packer
Packer	4.00			5386.00	
Stubb	1.00			5387.00	
Perforations	3.00			5390.00	
Recorder	0.00	8017	Inside	5390.00	
Recorder	0.00	8351	Inside	5390.00	
Perforations	15.00			5405.00	
Change Over Sub	1.00			5406.00	
Drill Pipe	248.00			5654.00	
Change Over Sub	1.00			5655.00	
Bullnose	5.00			5660.00	274.00 Bottom Packers & Anchor
Total Tool Length:	301.50				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

Job Ticket: 33570

DST#: 2

ATTN: Brad Rine

Test Start: 2008.12.04 @ 04:33:00

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: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
122.00	GM 18%G 82%M	0.600
168.00	GM 10%G 90%M	0.826
0.00	14 Weak GIP	0.000

Total Length: 290.00 ft

Total Volume: 1.426 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Daystar Petroleum, Inc.

Kiger A 1-17

126 E Main P.O. Box 360 Valley Center, KS 67147

17 31S 30W Meade KS

Job Ticket: 33570

DST#: 2

ATTN: Brad Rine

Test Start: 2008.12.04 @ 04:33:00

Gas Rates Information

Temperature: 59 deg C

Relative Density: 0.65

Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	6.00	7.64
2	10	0.13	6.00	7.64
2	20	0.13	7.00	8.01
2	30	0.13	13.00	10.26
2	40	0.13	15.00	11.00
2	50	0.13	19.00	12.50
2	60	0.13	21.00	13.25
2	70	0.13	24.00	14.37
2	80	0.13	27.00	15.50

Pressure vs. Time

