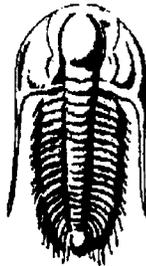


15-175-22065

CONFIDENTIAL  
MAR 09 2006  
KCC



**TRILOBITE**  
**TESTING, INC.**

### DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc.**

1321 W. 93rd. St. N.  
Valley Center KS 67147

ATTN: Brad Rine

**35/31S/31W**

**Dufield Trust "A" 1-35**

Start Date: 2005.11.27 @ 06:00:33

End Date: 2005.11.27 @ 18:41:33

Job Ticket #: 22902                      DST #: 1

Daystar Petroleum Inc.

Dufield Trust "A" 1-35

35/31S/31W

DST # 1

Morrow

2005.11.27

RECEIVED  
MAR 10 2006  
KCC WICHITA

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Daystar Petroleum Inc.

1321 W. 93rd. St. N.  
Valley Center KS 67147

ATTN: Brad Rine

Dufield Trust "A" 1-35

35/31S/31W

Job Ticket: 22902

DST#: 1

Test Start: 2005.11.27 @ 06:00:33

### GENERAL INFORMATION:

Formation: **Morrow**

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

Time Tool Opened: 09:56:48

Time Test Ended: 18:41:33

Test Type: Conventional Bottom Hole

Tester: Harley Davidson

Unit No: 33

Interval: **5441.00 ft (KB) To 5520.00 ft (KB) (TVD)**

Total Depth: **5520.00 ft (KB) (TVD)**

Hole Diameter: **7.78 inches** Hole Condition: **Fair**

Reference Elevations: **2794.00 ft (KB)**

**2782.00 ft (CF)**

KB to GR/CF: **12.00 ft**

Serial #: **6769**

Inside

Press@RunDepth: **54.83 psig @ 5505.00 ft (KB)**

Start Date: **2005.11.27**

End Date:

**2005.11.27**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **06:00:35**

End Time:

**18:41:33**

Time On Btm: **2005.11.27 @ 09:54:33**

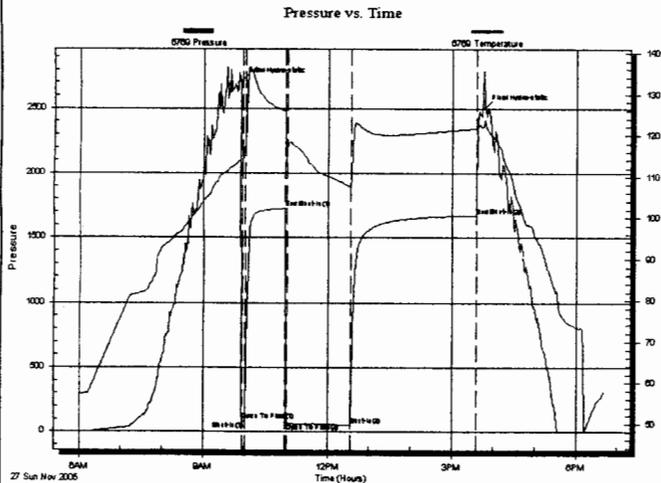
Time Off Btm: **2005.11.27 @ 15:47:03**

TEST COMMENT: **IF- Strong blow, BOB, 1min. GTS 5min.**

**IS- No blow back.**

**FF- GTS, BOB, ASAO,**

**FSI- No blow back.**



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2706.60	114.00	Initial Hydro-static
3	86.83	112.73	Open To Flow (1)
7	79.22	117.44	Shut-In (1)
65	1726.18	125.84	End Shut-In (1)
67	68.68	117.05	Open To Flow (2)
159	54.83	107.49	Shut-In (2)
341	1673.87	121.66	End Shut-In (2)
353	2501.11	123.74	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
60.00	100% mud.	0.30

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	18.00	218.56
Last Gas Rate	0.50	18.50	221.93
Max. Gas Rate	0.50	20.00	232.05



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc.  
1321 W. 93rd. St. N.  
Valley Center KS 67147  
  
ATTN: Brad Rine

Dufield Trust "A" 1-35  
**35/31S/31W**  
Job Ticket: 22902      DST#: 1  
Test Start: 2005.11.27 @ 06:00:33

### Tool Information

Drill Pipe:	Length: 5113.00 ft	Diameter: 3.80 inches	Volume: 71.72 bbl	Tool Weight: 1800.00 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 73.25 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5441.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	79.00 ft			
Tool Length:	106.00 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			5415.00	
Shut In Tool	5.00			5420.00	
Hydraulic tool	5.00			5425.00	
Jars	5.00			5430.00	
Safety Joint	2.00			5432.00	
Packer	5.00			5437.00	27.00      Bottom Of Top Packer
Packer	4.00			5441.00	
Stubb	1.00			5442.00	
Perforations	1.00			5443.00	
Change Over Sub	1.00			5444.00	
Drill Pipe	60.00			5504.00	
Change Over Sub	1.00			5505.00	
Recorder	0.00	6769	Inside	5505.00	
Perforations	11.00			5516.00	
Recorder	0.00	6724	Outside	5516.00	
Bullnose	4.00			5520.00	79.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>106.00</b>				



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Daystar Petroleum Inc.

Dufield Trust "A" 1-35

1321 W. 93rd. St. N.  
Valley Center KS 67147

**35/31S/31W**

Job Ticket: 22902

**DST#: 1**

ATTN: Brad Rine

Test Start: 2005.11.27 @ 06:00:33

### 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.17 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1800.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	100% mud.	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**GAS RATES**

Daystar Petroleum Inc.

Dufield Trust "A" 1-35

1321 W. 93rd. St. N.  
Valley Center KS 67147

35/31S/31W

Job Ticket: 22902

DST#: 1

ATTN: Brad Rine

Test Start: 2005.11.27 @ 06:00:33

### 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 <sup>3</sup> /d)
2	10	0.50	18.00	218.56
2	20	0.50	20.00	232.05
2	30	0.50	20.00	232.05
2	40	0.50	20.00	232.05
2	50	0.50	19.00	225.31
2	60	0.50	19.00	225.31
2	70	0.50	19.00	225.31
2	80	0.50	18.50	221.93
2	90	0.50	18.50	221.93

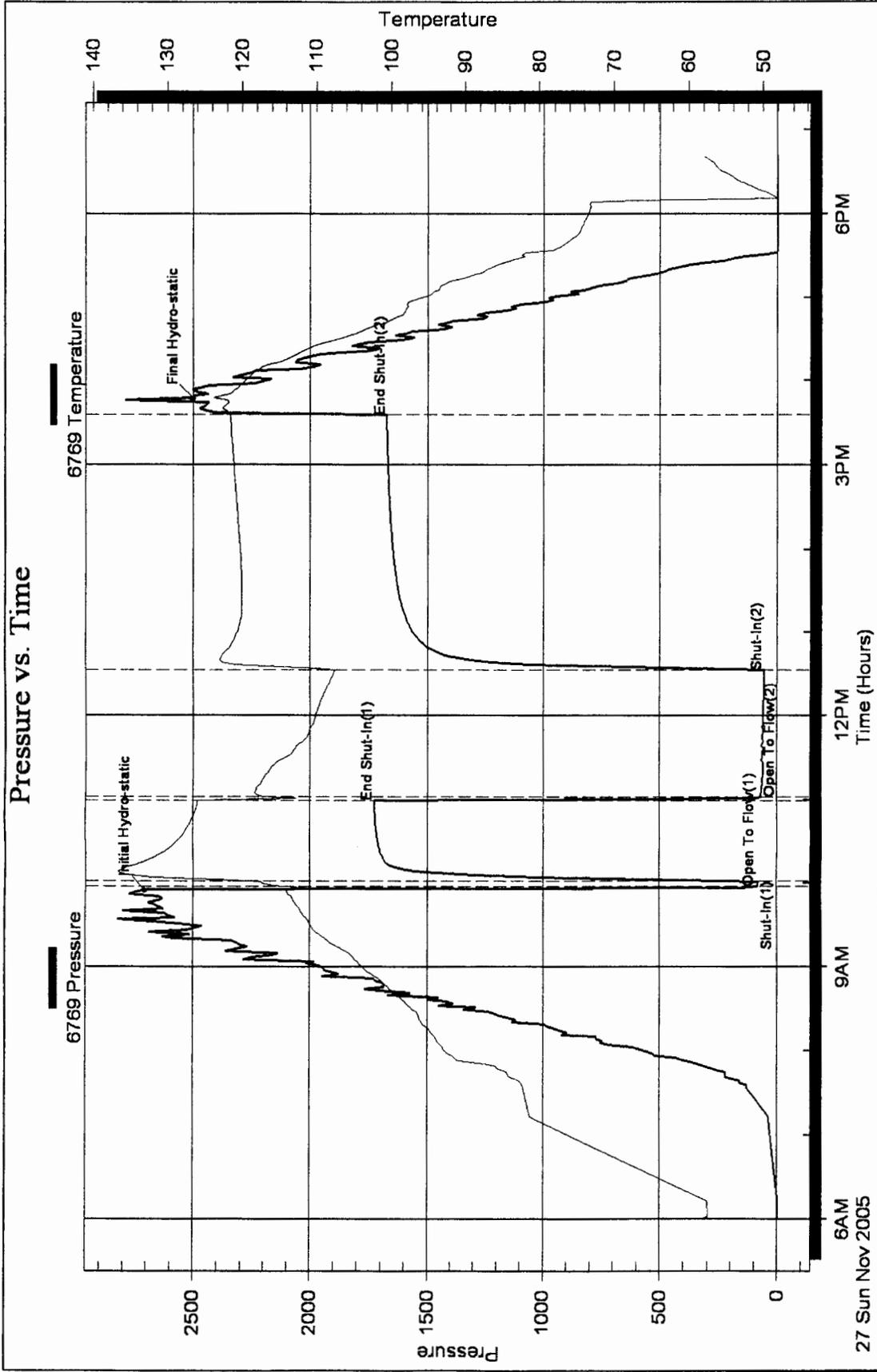
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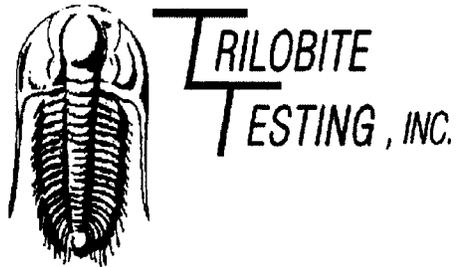
Inside

Daystar Petroleum Inc.

35/31/S/31W

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc.**

1321 W. 93rd. St. N.  
Valley Center KS 67147

ATTN: Brad Rine

**35/31S/31W**

**Dufield Trust "A" 1-35**

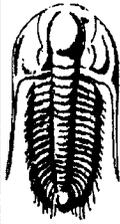
Start Date: 2005.11.28 @ 19:00:41

End Date: 2005.11.29 @ 05:47:11

Job Ticket #: 22903                      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

TOOL DIAGRAM

Daystar Petroleum Inc.

Dufield Trust "A" 1-35

1321 W. 93rd. St. N.  
Valley Center KS 67147

35/31S/31W

Job Ticket: 22903

DST#: 2

ATTN: Brad Rine

Test Start: 2005.11.28 @ 19:00:41

### Tool Information

Drill Pipe:	Length: 5301.00 ft	Diameter: 3.80 inches	Volume: 74.36 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: 25000.00 lb
Drill Collar:	Length: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 75.89 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 86000.00 lb
Depth to Top Packer:	5634.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	50.00 ft			
Tool Length:	77.00 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			5608.00	
Shut In Tool	5.00			5613.00	
Hydraulic tool	5.00			5618.00	
Jars	5.00			5623.00	
Safety Joint	2.00			5625.00	
Packer	5.00			5630.00	27.00 Bottom Of Top Packer
Packer	4.00			5634.00	
Stubb	1.00			5635.00	
Perforations	1.00			5636.00	
Change Over Sub	1.00			5637.00	
Drill Pipe	31.00			5668.00	
Change Over Sub	1.00			5669.00	
Recorder	0.00	6769	Inside	5669.00	
Perforations	11.00			5680.00	
Recorder	0.00	6724	Outside	5680.00	
Bullnose	4.00			5684.00	50.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>77.00</b>				



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Daystar Petroleum Inc.  
1321 W. 93rd. St. N.  
Valley Center KS 67147  
ATTN: Brad Rine

**Dufield Trust "A" 1-35**  
**35/31S/31W**  
Job Ticket: 22903      **DST#: 2**  
Test Start: 2005.11.28 @ 19:00:41

**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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.97 in <sup>3</sup>	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
160.00	100% Mud.	0.787

Total Length: 160.00 ft      Total Volume: 0.787 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

Serial #: 6769

Inside

Daystar Petroleum Inc.

35/31S/31W

DST Test Number: 2

### Pressure vs. Time

