

16-31s-31w

APT 15-175-~~28095~~
22045



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

16 31S 31W Seward KS

Ball "A" 1-16

Start Date: 2006.04.27 @ 14:28:50

End Date: 2006.04.27 @ 20:03:50

Job Ticket #: 22316 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Daystar Petroleum Inc

Ball "A" 1-16

16 31S 31W Seward KS

DST # 1

Her./Kri.

2006.04.27



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum Inc

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

Ball "A" 1-16

16 31S 31W Seward KS

Job Ticket: 22316

DST#: 1

Test Start: 2006.04.27 @ 14:28:50

GENERAL INFORMATION:

Formation: **Her./Kri.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:06:10

Time Test Ended: 20:03:50

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **2598.00 ft (KB) To 2666.00 ft (KB) (TVD)**

Total Depth: 2666.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2825.00 ft (KB)

2815.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6753** Inside

Press@RunDepth: 26.55 psig @ 2600.00 ft (KB)

Start Date: 2006.04.27

End Date:

2006.04.27

Start Time: 14:28:50

End Time:

20:03:50

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2006.04.27 @ 16:05:40

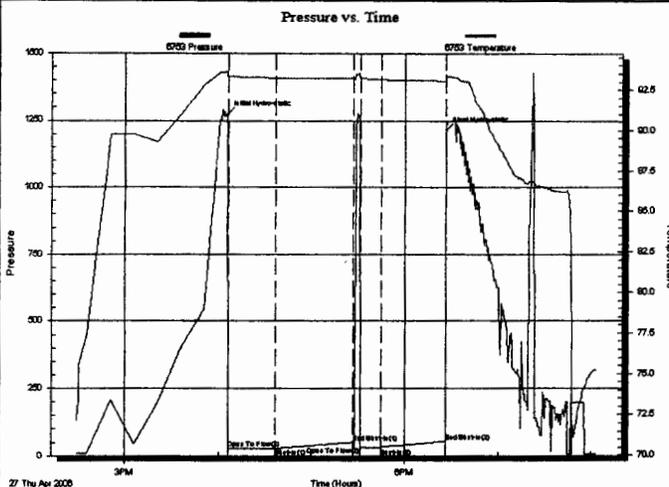
Time Off Btm: 2006.04.27 @ 18:26:20

TEST COMMENT: IF.25 in in 3" died 10"

ISI No blow back

FF No blow flushed tool no blow

FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1272.49	93.63	Initial Hydro-static
1	28.02	93.33	Open To Flow (1)
31	27.24	93.23	Shut-In (1)
81	50.49	93.18	End Shut-In (1)
86	33.09	93.04	Open To Flow (2)
99	26.55	93.12	Shut-In (2)
141	53.65	93.05	End Shut-In (2)
141	1213.24	93.46	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)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22316

DST#: 1

ATTN: Dave Goldak

Test Start: 2006.04.27 @ 14:28:50

Tool Information

Drill Pipe:	Length: 2275.00 ft	Diameter: 3.80 inches	Volume: 31.91 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 33.44 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	2598.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	96.00 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			2571.00	
Shut In Tool	5.00			2576.00	
Hydraulic tool	5.00			2581.00	
Jars	5.00			2586.00	
Safety Joint	3.00			2589.00	
Packer	5.00			2594.00	28.00 Bottom Of Top Packer
Packer	4.00			2598.00	
Stubb	1.00			2599.00	
Perforations	1.00			2600.00	
Recorder	0.00	6753	Inside	2600.00	
Change Over Sub	1.00			2601.00	
Drill Pipe	61.00			2662.00	
Change Over Sub	1.00			2663.00	
Recorder	0.00	13630	Inside	2663.00	
Bullnose	3.00			2666.00	68.00 Bottom Packers & Anchor

Total Tool Length: 96.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22316

DST#: 1

ATTN: Dave Goldak

Test Start: 2006.04.27 @ 14:28:50

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:	48000 ppm
Viscosity: 34.00 sec/qt	Cushion Volume: bbl		
Water Loss: in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 56000.00 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=.144@80F=48000ppm

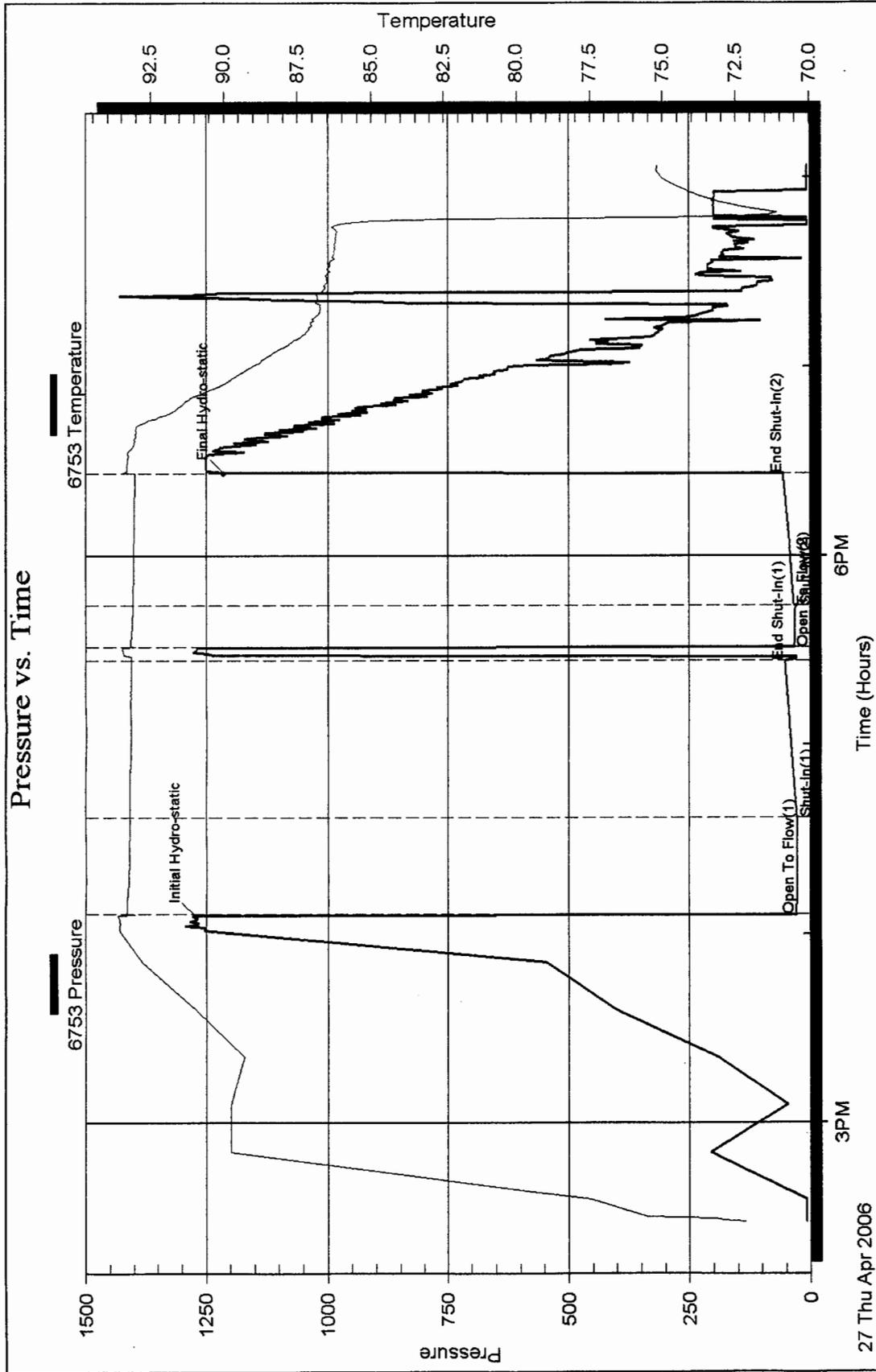
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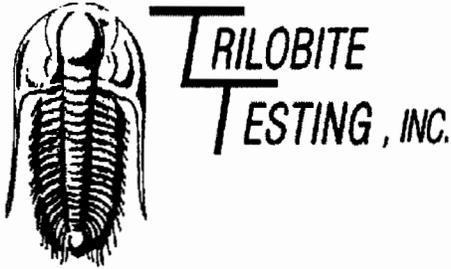
Inside

Daystar Petroleum Inc

16 31S 31W Sew ard KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

16 31S 31W Seward KS

Ball "A" 1-16

Start Date: 2006.04.28 @ 05:58:20

End Date: 2006.04.28 @ 11:46:30

Job Ticket #: 22317 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Daystar Petroleum Inc

Ball "A" 1-16

16 31S 31W Seward KS

DST # 2

Her./Kridner

2006.04.28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Daystar Petroleum Inc
1221 W 93 d St N
Valley Center KS
ATTN: Dave Goldak

Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22317 **DST#: 2**
Test Start: 2006.04.28 @ 05:58:20

GENERAL INFORMATION:

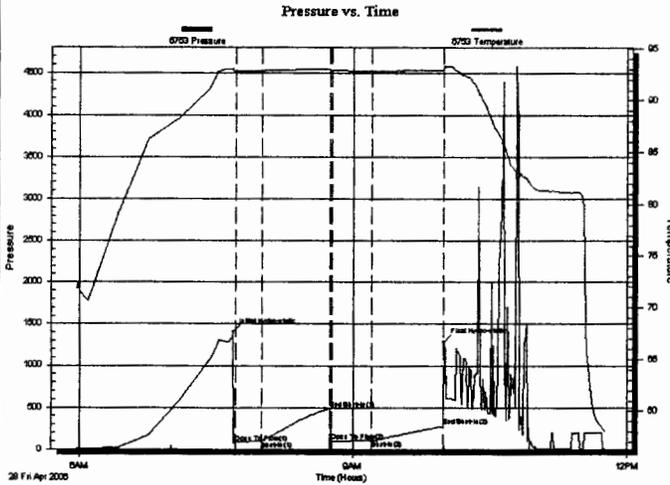
Formation: **Her./Krider**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 07:42:10
Time Test Ended: 11:46:30
Interval: **2664.00 ft (KB) To 2730.00 ft (KB) (TVD)**
Total Depth: 2730.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 34
Reference Elevations: 2825.00 ft (KB)
2815.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6753

Inside

Press@RunDepth: 107.73 psig @ 2667.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.04.28 End Date: 2006.04.28 Last Calib.: 1899.12.30
Start Time: 05:58:20 End Time: 11:46:29 Time On Btm: 2006.04.28 @ 07:40:40
Time Off Btm: 2006.04.28 @ 10:00:00

TEST COMMENT: IF Weak surf blow died 10"
IS No blow back
FF Weak surf blow steady
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1404.97	93.03	Initial Hydro-static
2	82.18	92.75	Open To Flow (1)
19	99.28	92.82	Shut-In(1)
65	488.84	92.96	End Shut-In(1)
65	101.49	92.85	Open To Flow (2)
92	107.73	92.81	Shut-In(2)
140	277.94	92.85	End Shut-In(2)
140	1284.84	93.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	100%M	0.61

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc
1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22317 **DST#: 2**
Test Start: 2006.04.28 @ 05:58:20

Tool Information

Drill Pipe:	Length: 2339.00 ft	Diameter: 3.80 inches	Volume: 32.81 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 90000.00 lb
			<u>Total Volume: 34.34 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	2664.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.00 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
Change Over Sub	1.00			2637.00	
Shut In Tool	5.00			2642.00	
Hydraulic tool	5.00			2647.00	
Jars	5.00			2652.00	
Safety Joint	3.00			2655.00	
Packer	5.00			2660.00	28.00 Bottom Of Top Packer
Packer	4.00			2664.00	
Stubb	1.00			2665.00	
Perforations	2.00			2667.00	
Recorder	0.00	6753	inside	2667.00	
Change Over Sub	1.00			2668.00	
Drill Pipe	31.00			2699.00	
Recorder	0.00	13630	inside	2699.00	
Drill Pipe	31.00			2730.00	66.00 Bottom Packers & Anchor

Total Tool Length: 94.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22317

DST#:2

ATTN: Dave Goldak

Test Start: 2006.04.28 @ 05:58:20

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:

48000 ppm

Viscosity: 34.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 56000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
124.00	100%M	0.610

Total Length: 124.00 ft Total Volume: 0.610 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.148@75F=48000ppm

Serial #: 6753

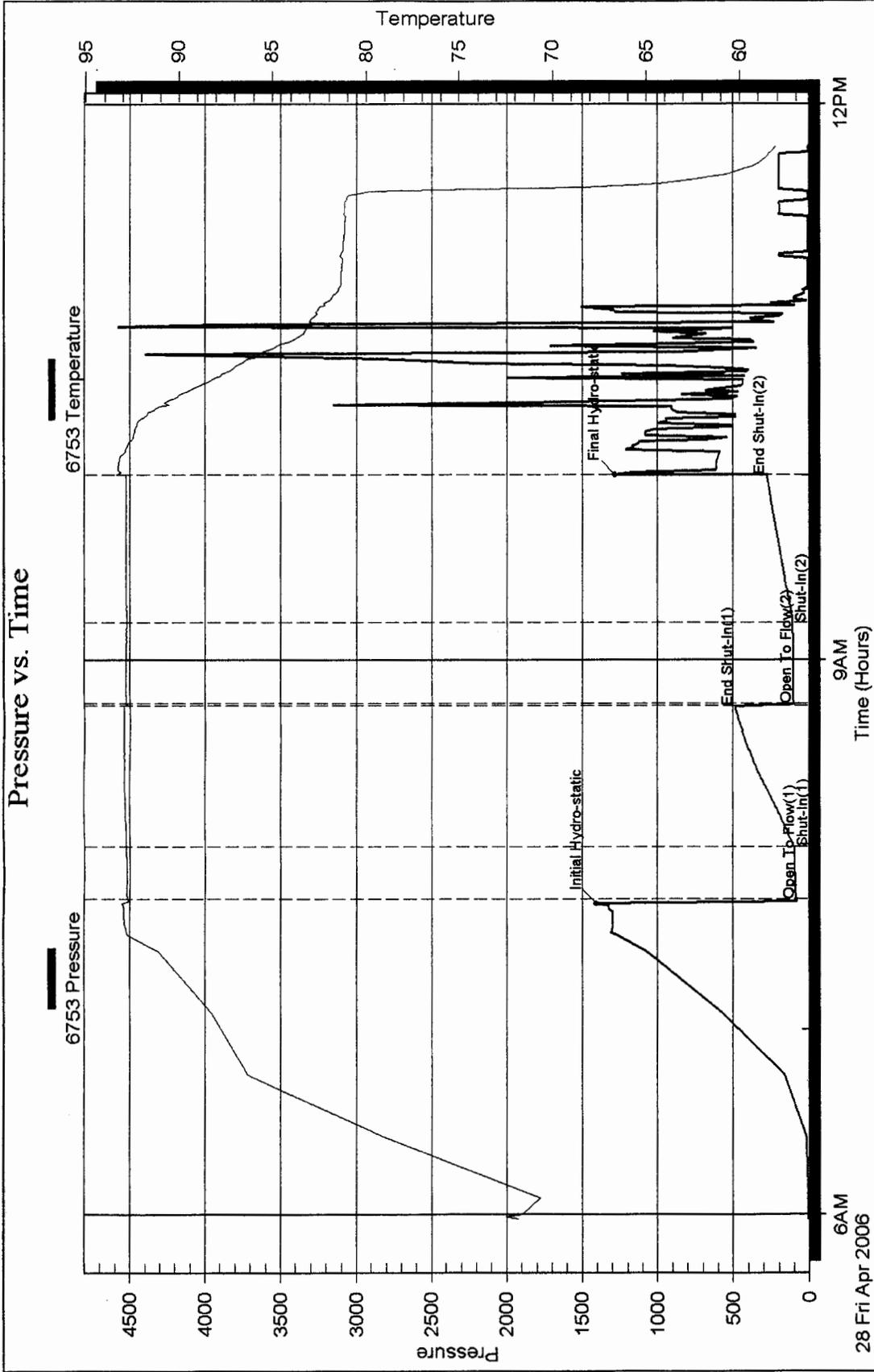
Inside

Daystar Petroleum Inc

16 31S 31W Seward KS

DST Test Number: 2

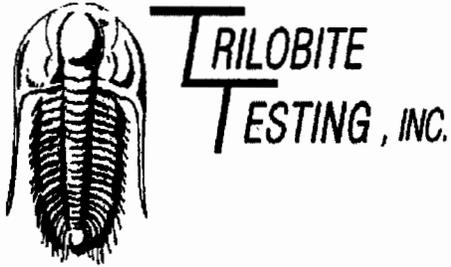
Pressure vs. Time



28 Fri Apr 2006 6AM

9AM

12PM



DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

16 31S 31W Seward KS

Ball "A" 1-16

Start Date: 2006.05.03 @ 14:09:37

End Date: 2006.05.03 @ 22:36:17

Job Ticket #: 22318 DST #: 3

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
1221 W 93 d St N
Valley Center KS
ATTN: Dave Goldak

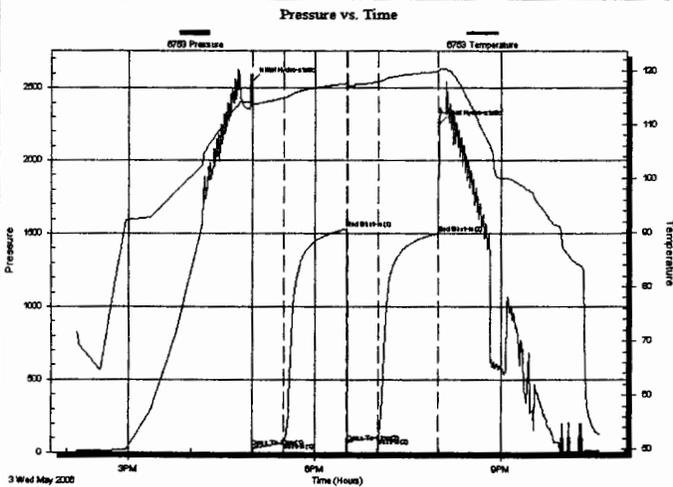
Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22318 **DST#: 3**
Test Start: 2006.05.03 @ 14:09:37

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:59:27
Time Test Ended: 22:36:17
Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 34
Interval: **5060.00 ft (KB) To 5100.00 ft (KB) (TVD)**
Reference Elevations: 2825.00 ft (KB)
Total Depth: 5100.00 ft (KB) (TVD) 2815.00 ft (CF)
Hole Diameter: 7.78 inches Hole Condition: Good KB to GR/CF: 10.00 ft

Serial #: 6753 Inside
Press@RunDepth: 103.33 psig @ 5064.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.05.03 End Date: 2006.05.03 Last Calib.: 1899.12.30
Start Time: 14:09:37 End Time: 22:36:16 Time On Btm: 2006.05.03 @ 16:59:17
Time Off Btm: 2006.05.03 @ 20:00:07

TEST COMMENT: #9 in in 30" building blow
ISI No blow back
FF No blow flushed tool no blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2543.98	114.60	Initial Hydro-static
1	34.98	113.19	Open To Flow (1)
31	67.56	114.96	Shut-In(1)
92	1529.62	117.63	End Shut-In(1)
93	70.04	117.18	Open To Flow (2)
122	103.33	117.89	Shut-In(2)
181	1500.79	119.75	End Shut-In(2)
181	2255.39	120.20	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
155.00	MW 40%M 60%W	0.76

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc
1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22318 **DST#: 3**
Test Start: 2006.05.03 @ 14:09:37

Tool Information

Drill Pipe:	Length: 4737.00 ft	Diameter: 3.80 inches	Volume: 66.45 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 100000.0 lb
			Total Volume: 67.98 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 97000.00 lb
Depth to Top Packer:	5060.00 ft			Final 97000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	40.00 ft			
Tool Length:	68.00 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			5033.00	
Shut In Tool	5.00			5038.00	
Hydraulic tool	5.00			5043.00	
Jars	5.00			5048.00	
Safety Joint	3.00			5051.00	
Packer	5.00			5056.00	28.00 Bottom Of Top Packer
Packer	4.00			5060.00	
Stubb	1.00			5061.00	
Perforations	3.00			5064.00	
Recorder	0.00	6753	Inside	5064.00	
Change Over Sub	1.00			5065.00	
Drill Pipe	31.00			5096.00	
Change Over Sub	1.00			5097.00	
Recorder	0.00	13630	Inside	5097.00	
Bullnose	3.00			5100.00	40.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22318

DST#: 3

ATTN: Dave Goldak

Test Start: 2006.05.03 @ 14:09:37

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:	72000 ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.17 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
155.00	MW 40%M 60%W	0.762

Total Length: 155.00 ft Total Volume: 0.762 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.126@60F=72000ppm

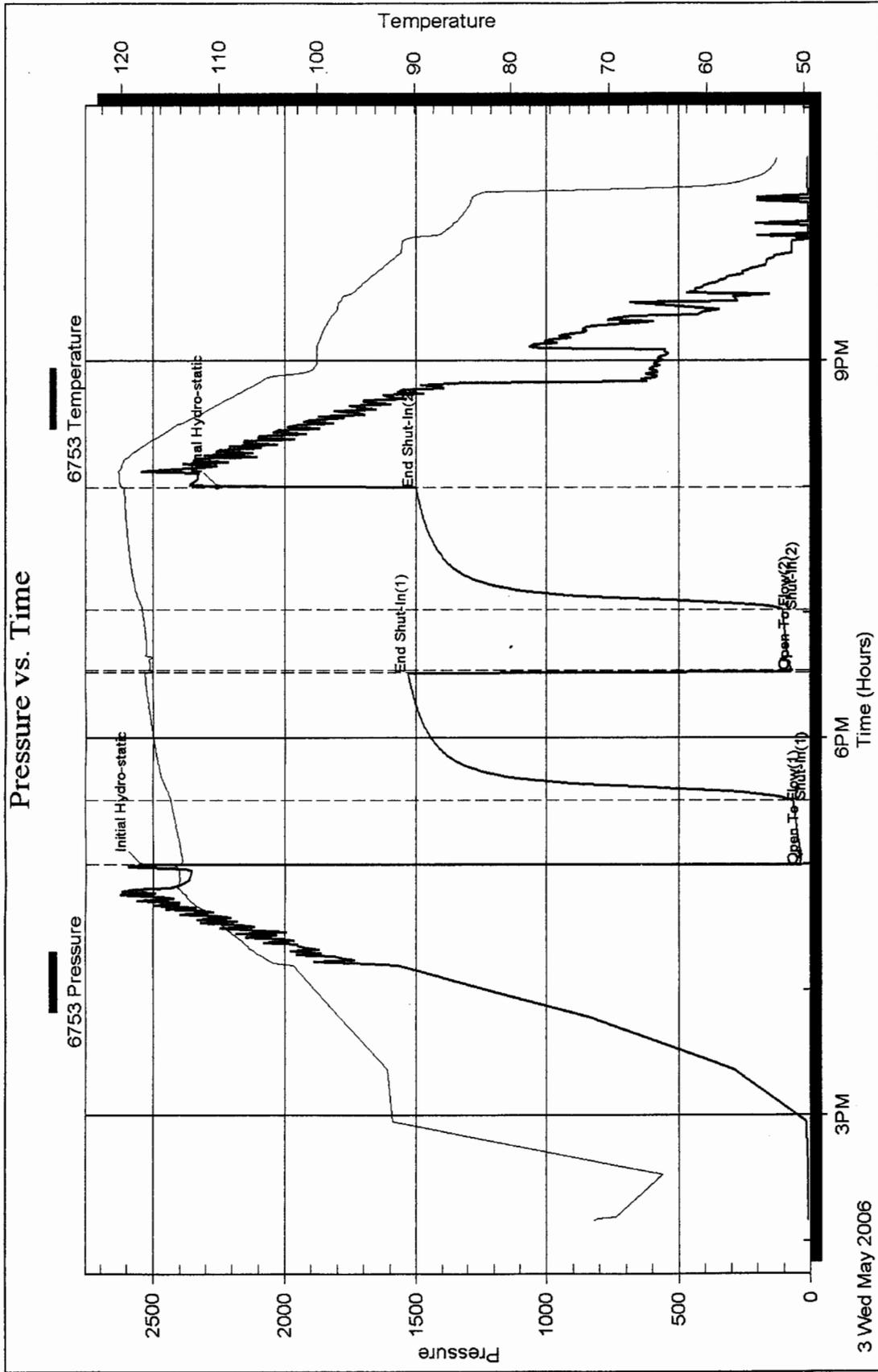
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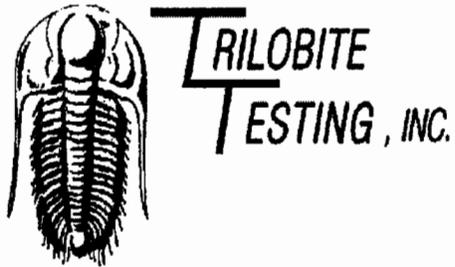
Inside

Daystar Petroleum Inc

16 31S31W Sew ard KS

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

16 31S 31W Seward KS

Ball "A" 1-16

Start Date: 2006.05.05 @ 15:52:05

End Date: 2006.05.06 @ 03:56:35

Job Ticket #: 22319 DST #: 4

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
1221 W 93 d St N
Valley Center KS
ATTN: Dave Goldak

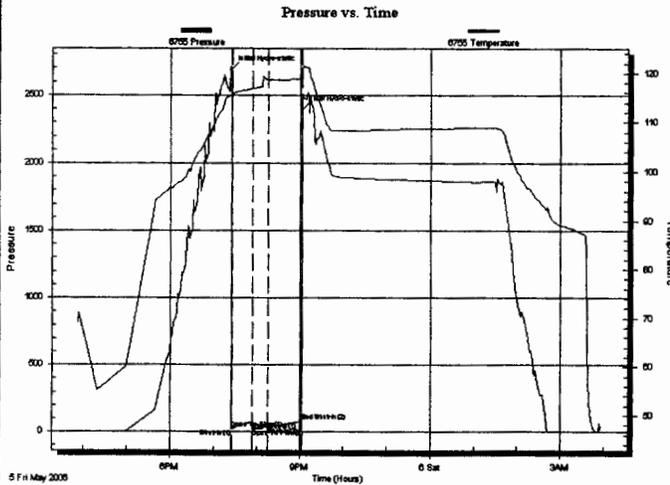
Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22319 **DST#: 4**
Test Start: 2006.05.05 @ 15:52:05

GENERAL INFORMATION:

Formation: **Atoka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:24:14
Time Test Ended: 03:56:35
Interval: **5368.00 ft (KB) To 5421.00 ft (KB) (TVD)**
Total Depth: 5421.00 ft (KB) (TVD)
Hole Diameter: 7.78 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Chris Hagman
Unit No: 34
Reference Elevations: 2825.00 ft (KB)
2815.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 6755 Inside
Press@RunDepth: 36.50 psig @ 5370.00 ft (KB) Capacity: 7000.00 psig
Start Date: 2006.05.05 End Date: 2006.05.06 Last Calib.: 1899.12.30
Start Time: 15:52:05 End Time: 03:56:35 Time On Btm: 2006.05.05 @ 19:23:45
Time Off Btm: 2006.05.05 @ 21:02:35

TEST COMMENT: IF Weak surf blow
ISI No blow back
FF Weak surf blow died 2" flushed tool weak surf blow died 5"
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2686.67	115.53	Initial Hydro-static
1	25.79	115.47	Open To Flow (1)
3	21.59	115.88	Shut-In(1)
30	71.24	116.85	End Shut-In(1)
31	19.36	116.84	Open To Flow (2)
52	36.50	118.69	Shut-In(2)
99	75.77	118.96	End Shut-In(2)
99	2392.93	120.00	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)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22319

DST#: 4

ATTN: Dave Goldak

Test Start: 2006.05.05 @ 15:52:05

Tool Information

Drill Pipe:	Length: 5050.00 ft	Diameter: 3.80 inches	Volume: 70.84 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 110000.0 lb
			<u>Total Volume: 72.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 102000.0 lb
Depth to Top Packer:	5368.00 ft			Final 102000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	81.00 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			5341.00	
Shut In Tool	5.00			5346.00	
Hydraulic tool	5.00			5351.00	
Jars	5.00			5356.00	
Safety Joint	3.00			5359.00	
Packer	5.00			5364.00	28.00 Bottom Of Top Packer
Packer	4.00			5368.00	
Stubb	1.00			5369.00	
Perforations	1.00			5370.00	
Recorder	0.00	6755	Inside	5370.00	
Perforations	15.00			5385.00	
Change Over Sub	1.00			5386.00	
Drill Pipe	31.00			5417.00	
Change Over Sub	1.00			5418.00	
Recorder	0.00	13630	Inside	5418.00	
Bullnose	3.00			5421.00	53.00 Bottom Packers & Anchor
Total Tool Length:	81.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22319

DST#: 4

ATTN: Dave Goldak

Test Start: 2006.05.05 @ 15:52:05

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:

5200 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.18 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2900.00 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=1.125@70F=5200ppm

Serial #: 6755

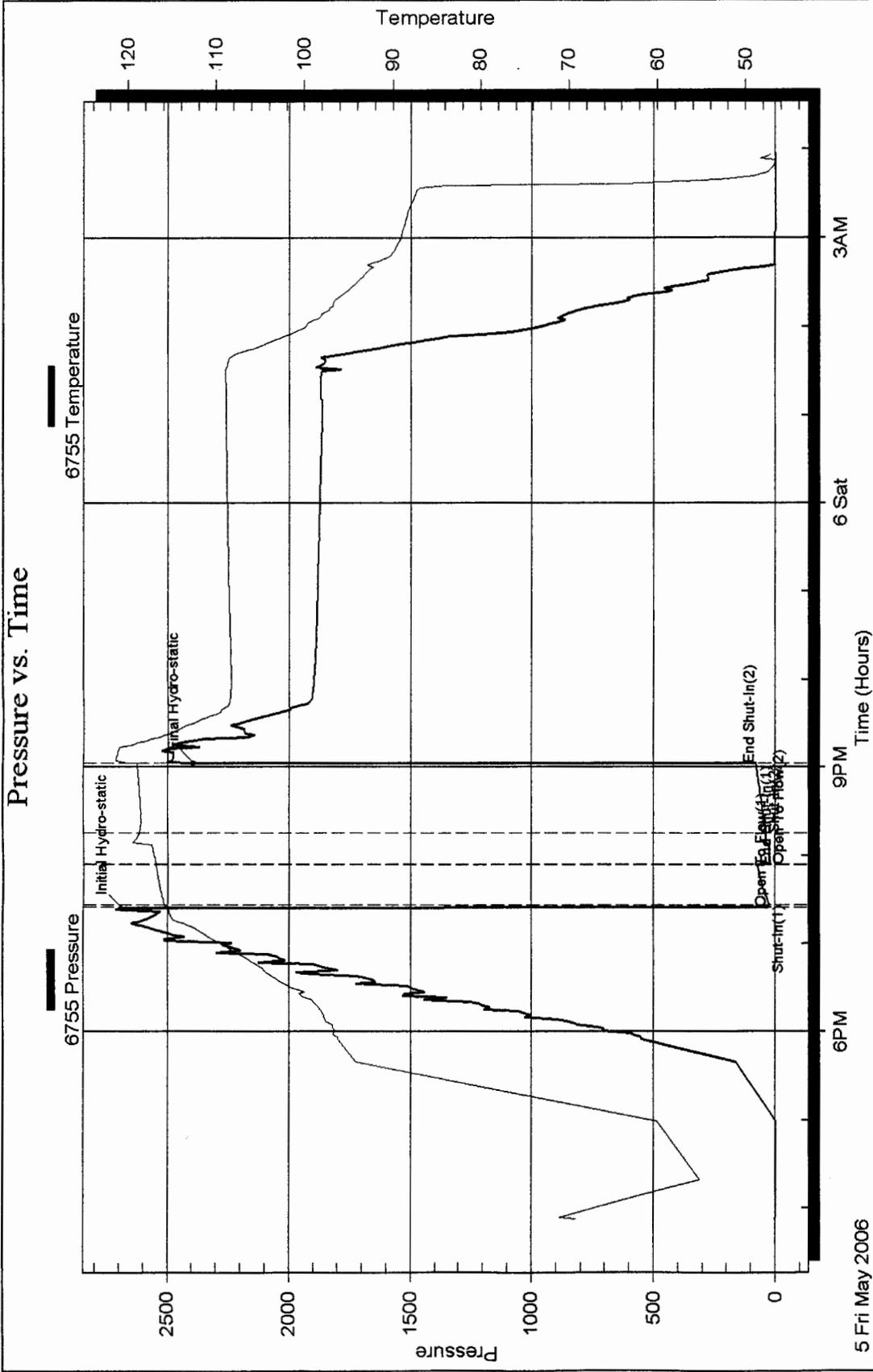
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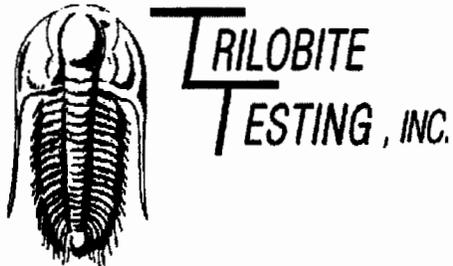
Daystar Petroleum Inc

16 31S 31W Sew ard KS

DST Test Number: 4

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

16 31S 31W Seward KS

Ball "A" 1-16

Start Date: 2006.05.07 @ 22:39:55

End Date: 2006.05.08 @ 12:05:34

Job Ticket #: 22320 DST #: 5

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

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

Ball "A" 1-16

16 31S 31W Seward KS

Job Ticket: 22320

DST#: 5

Test Start: 2006.05.07 @ 22:39:55

GENERAL INFORMATION:

Formation: **St. Louis B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:52:45

Time Test Ended: 12:05:34

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5760.00 ft (KB) To 5776.00 ft (KB) (TVD)**

Total Depth: 2815.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2825.00 ft (KB)

2815.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: **6755**

Inside

Press@RunDepth: 95.00 psig @ 5763.00 ft (KB)

Start Date: 2006.05.07

End Date: 2006.05.08

Start Time: 22:39:55

End Time: 12:05:35

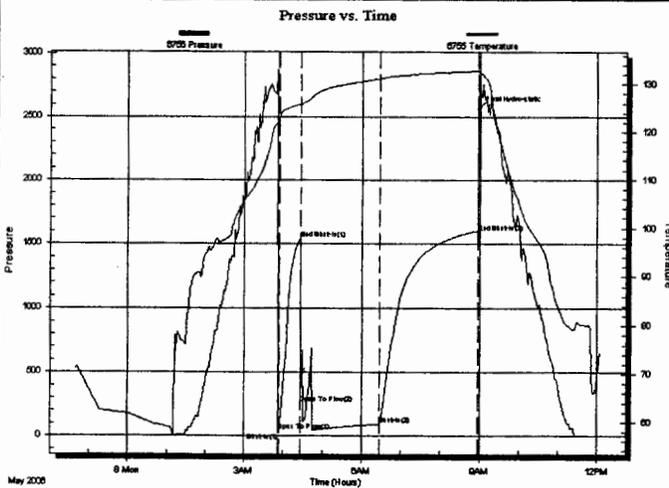
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm: 2006.05.08 @ 08:58:05

TEST COMMENT: IF BOB 30 sec strong building blow
ISI No blow back
FF BOB 20" strong steady blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	41.47	121.74	Open To Flow (1)
1	21.28	121.75	Shut-In(1)
34	1537.98	125.82	End Shut-In(1)
35	252.50	125.58	Open To Flow (2)
155	95.00	131.12	Shut-In(2)
305	1591.77	132.78	End Shut-In(2)
306	2563.62	133.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	80%W 20%M	0.30
124.00	GOCWM 35%G 5%O 20%W 30%M	0.61

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

Job Ticket: 22320

DST#: 5

ATTN: Dave Goldak

Test Start: 2006.05.07 @ 22:39:55

Tool Information

Drill Pipe:	Length: 5427.00 ft	Diameter: 3.80 inches	Volume: 76.13 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 105000.0 lb
			<u>Total Volume: 77.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 104000.0 lb
Depth to Top Packer:	5760.00 ft			Final 104000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	16.00 ft			
Tool Length:	44.00 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			5733.00	
Shut In Tool	5.00			5738.00	
Hydraulic tool	5.00			5743.00	
Jars	5.00			5748.00	
Safety Joint	3.00			5751.00	
Packer	5.00			5756.00	28.00 Bottom Of Top Packer
Packer	4.00			5760.00	
Stubb	1.00			5761.00	
Perforations	2.00			5763.00	
Recorder	0.00	6755	Inside	5763.00	
Perforations	10.00			5773.00	
Recorder	0.00	13630	Inside	5773.00	
Bullnose	3.00			5776.00	16.00 Bottom Packers & Anchor

Total Tool Length: 44.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

ATTN: Dave Goldak

Job Ticket: 22320

DST#: 5

Test Start: 2006.05.07 @ 22:39:55

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:

92000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	80%W 20%M	0.305
124.00	GOCWM 35%G 5%O 20%W 30%M	0.610

Total Length: 186.00 ft Total Volume: 0.915 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=.081@75F=92000ppm

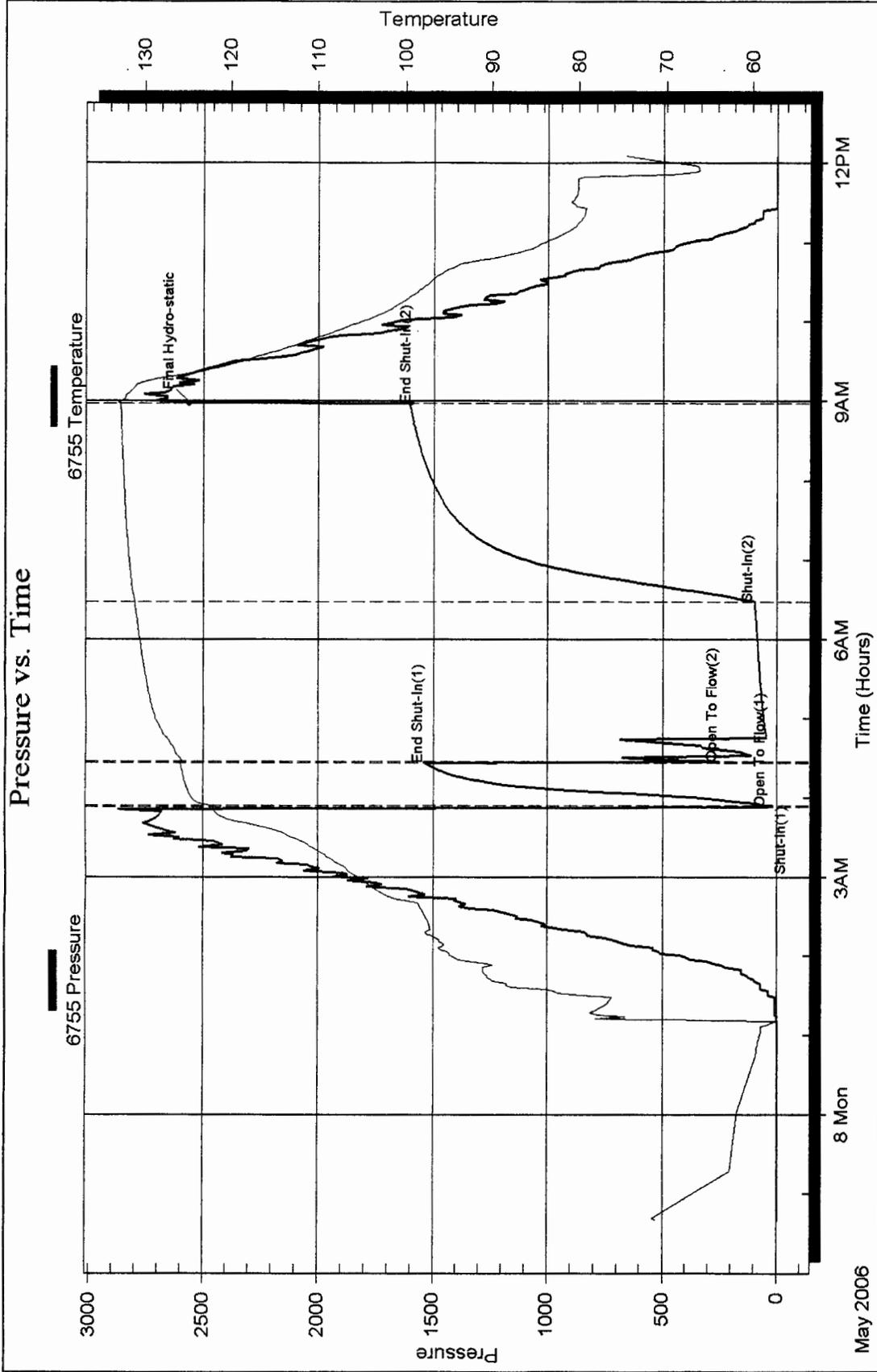
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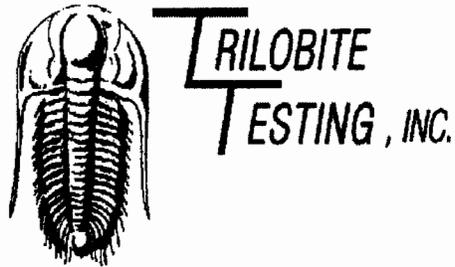
Inside

Daystar Petroleum Inc

16 31S 31W Sew ard KS

DST Test Number: 5





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

1221 W 93 d St N
Valley Center KS

ATTN: Dave Goldak

16 31S 31W Seward KS

Ball "A" 1-16

Start Date: 2006.05.09 @ 00:18:16

End Date: 2006.05.09 @ 12:51:46

Job Ticket #: 22321 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Daystar Petroleum Inc

Ball "A" 1-16

16 31S 31W Seward KS

DST # 6

St. Louis "C"

2006.05.09



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum Inc

Ball "A" 1-16

1221 W 93 d St N
Valley Center KS

16 31S 31W Seward KS

ATTN: Dave Goldak

Job Ticket: 22321

DST#: 6

Test Start: 2006.05.09 @ 00:18:16

GENERAL INFORMATION:

Formation: **St. Louis "C"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:54:36

Time Test Ended: 12:51:46

Test Type: Conventional Bottom Hole

Tester: Chris Hagman

Unit No: 34

Interval: **5798.00 ft (KB) To 5812.00 ft (KB) (TVD)**

Total Depth: 5812.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Good

Reference Elevations: 2825.00 ft (KB)

2815.00 ft (CF)

KB to GRVCF: 10.00 ft

Serial #: 6755

Inside

Press@RunDepth: 181.32 psig @ 5800.00 ft (KB)

Start Date: 2006.05.09

End Date:

2006.05.09

Start Time: 00:18:16

End Time:

12:51:46

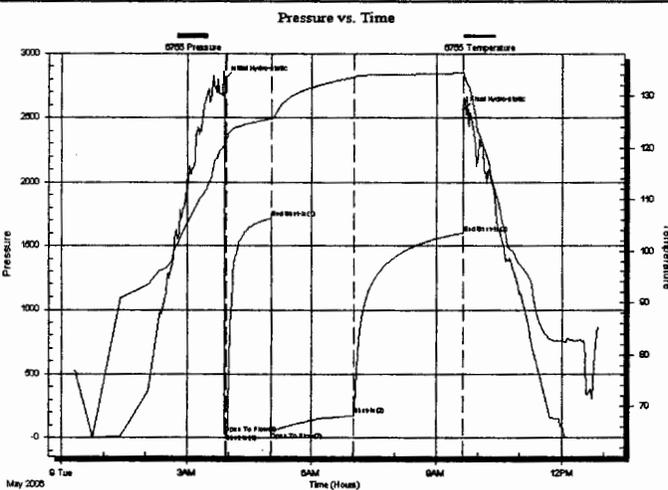
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2006.05.09 @ 03:53:56

Time Off Btm: 2006.05.09 @ 09:38:26

TEST COMMENT: IF 2 in in 2" fair building blow
ISI No blow back
FF BOB 30" strong steady blow
FSI No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2800.01	120.43	Initial Hydro-static
1	29.94	120.23	Open To Flow (1)
3	30.80	121.46	Shut-In(1)
68	1714.46	125.63	End Shut-In(1)
69	45.14	125.32	Open To Flow (2)
188	181.32	133.56	Shut-In(2)
344	1599.41	134.37	End Shut-In(2)
345	2564.08	134.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
311.00	MCW 95%W 5%M	1.53
39.00	OMCW 5%O 45%W 50%M	0.55

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc
1221 W 93 d St N
Valley Center KS
ATTN: Dave Goldak

Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22321 **DST#: 6**
Test Start: 2006.05.09 @ 00:18:16

Tool Information

Drill Pipe:	Length: 5464.00 ft	Diameter: 3.80 inches	Volume: 76.65 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: 311.00 ft	Diameter: 2.25 inches	Volume: 1.53 bbl	Weight to Pull Loose: 115000.0 lb
			Total Volume: 78.18 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 104000.0 lb
Depth to Top Packer:	5798.00 ft			Final 104000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5771.00	
Shut In Tool	5.00			5776.00	
Hydraulic tool	5.00			5781.00	
Jars	5.00			5786.00	
Safety Joint	3.00			5789.00	
Packer	5.00			5794.00	28.00 Bottom Of Top Packer
Packer	4.00			5798.00	
Stubb	1.00			5799.00	
Perforations	1.00			5800.00	
Recorder	0.00	6755	Inside	5800.00	
Perforations	9.00			5809.00	
Recorder	0.00	13630	Inside	5809.00	
Bullnose	3.00			5812.00	14.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc
1221 W 93 d St N
Valley Center KS
ATTN: Dave Goldak

Ball "A" 1-16
16 31S 31W Seward KS
Job Ticket: 22321 **DST#: 6**
Test Start: 2006.05.09 @ 00:18:16

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: 98000 ppm	
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
311.00	MCW 95%W 5%M	1.529
39.00	OMCW 5%O 45%W 50%M	0.547

Total Length: 350.00 ft Total Volume: 2.076 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RW=.067@85F=98000ppm

Serial #: 6755

Inside

Daystar Petroleum Inc

16 31S 31W Sew ard KS

DST Test Number: 6

