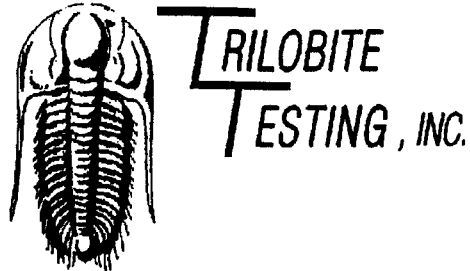


KCS

15-119-21190



DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

PO Box 360
Vally Center KS 67147

CONFIDENTIAL

MAR 24 2008

KCC

ATTN: Brad Rine

21 31 30 Meade KS

Land "A" #1-21

Start Date: 2007.12.12 @ 21:02:29

End Date: 2007.12.13 @ 10:53:59

Job Ticket #: 27214 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 27 2008

CONSERVATION DIVISION
WICHITA, KS

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

Daystar Petroleum Inc

Land "A" #1-21

21 31 30 Meade KS

DST # 1

Morrow

2007.12.12



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petroleum Inc

PO Box 360
Vally Center KS 67147

ATTN: Brad Rine

Land "A" #1-21

21 31 30 Meade KS

Job Ticket: 27214

DST#: 1

Test Start: 2007.12.12 @ 21:02:29

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:19:59

Time Test Ended: 10:53:59

Test Type: Conventional Bottom Hole

Tester: Delton Brown

Unit No: #28

Interval: **5419.00 ft (KB) To 5495.00 ft (KB) (TVD)**

Total Depth: 5495.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2767.00 ft (KB)

2755.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: **8321**

Inside

Press@RunDepth: 109.55 psig @ 5420.00 ft (KB)

Start Date: 2007.12.12

End Date:

2007.12.13

Start Time: 21:02:30

End Time:

10:53:59

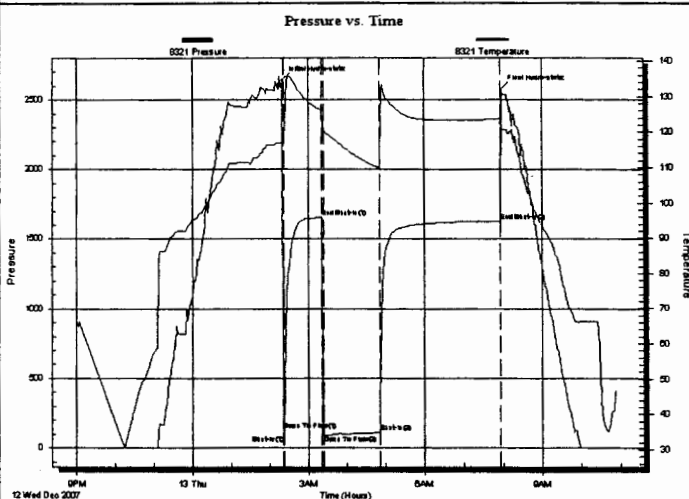
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.12.13 @ 02:19:44

Time Off Btm: 2007.12.13 @ 07:57:29

TEST COMMENT: IF Strong blow BOB 45 sec.
ISI No return blow
FF Strong blow BOB ASAO GTS 3 min.
FSI No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2635.86	116.65	Initial Hydro-static
1	124.01	116.12	Open To Flow (1)
3	91.81	118.49	Shut-In(1)
61	1653.91	126.22	End Shut-In(1)
63	92.79	119.70	Open To Flow (2)
152	109.55	109.72	Shut-In(2)
337	1631.78	123.64	End Shut-In(2)
338	2575.29	120.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
31.00	100%M	0.15
62.00	100%M	0.30
62.00	O spot GM 5%G Spot O 95%M	0.30
62.00	O spot GM 5%G Spot O 95%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	25.00	265.78
Last Gas Rate	0.50	36.00	339.98
Max. Gas Rate	0.50	36.00	339.98



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27214

DST#: 1

ATTN: Brad Rine

Test Start: 2007.12.12 @ 21:02:29

Tool Information

Drill Pipe:	Length: 5162.00 ft	Diameter: 3.80 inches	Volume: 72.41 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose: 78000.00 lb
		Total Volume:	73.61 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	5419.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	76.00 ft			
Tool Length:	103.00 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			5393.00	
Shut In Tool	5.00			5398.00	
Hydraulic tool	5.00			5403.00	
Jars	5.00			5408.00	
Safety Joint	2.00			5410.00	
Packer	5.00		Fluid	5415.00	27.00 Bottom Of Top Packer
Packer	4.00			5419.00	
Stubb	1.00			5420.00	
Recorder	0.00	8321	Inside	5420.00	
Recorder	0.00	6752	Inside	5420.00	
Perforations	5.00			5425.00	
Change Over Sub	1.00			5426.00	
Drill Pipe	62.00			5488.00	
Change Over Sub	1.00			5489.00	
Perforations	3.00			5492.00	
Bullnose	3.00			5495.00	76.00 Bottom Packers & Anchor
Total Tool Length:	103.00				



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27214

DST#: 1

ATTN: Brad Rine

Test Start: 2007.12.12 @ 21:02:29

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:

bbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
31.00	100%M	0.152
62.00	100%M	0.305
62.00	O spot GM 5%G Spot O 95%M	0.305
62.00	O spot GM 5%G Spot O 95%M	0.305

Total Length: 217.00 ft

Total Volume: 1.067 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

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27214

DST#: 1

ATTN: Brad Rine

Test Start: 2007.12.12 @ 21:02:29

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	0.50	25.00	265.78
2	10	0.50	25.00	265.78
2	20	0.50	25.00	265.78
2	30	0.50	27.00	279.27
2	40	0.50	30.00	299.51
2	50	0.50	34.00	326.49
2	60	0.50	34.00	326.49
2	70	0.50	36.00	339.98
2	80	0.50	36.00	339.98

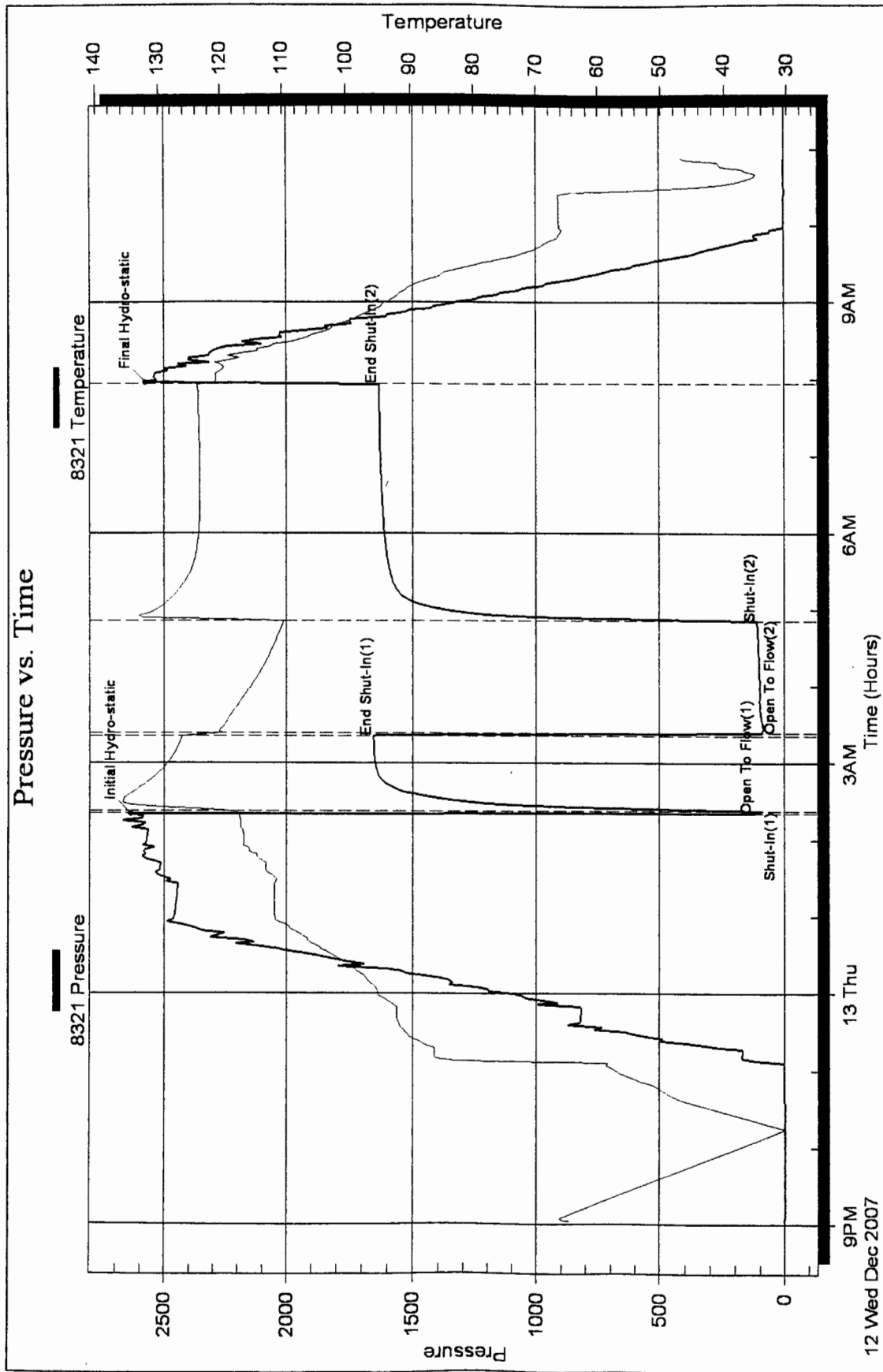
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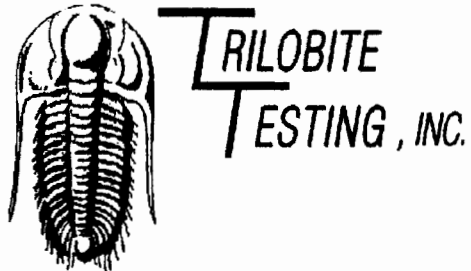
Inside

Daystar Petroleum Inc

21 31 30 Meade KS

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

PO Box 360
Vally Center KS 67147

ATTN: Brad Rine

21 31 30 Meade KS

Land "A" #1-21

Start Date: 2007.12.13 @ 23:55:11

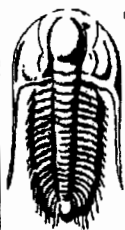
End Date: 2007.12.14 @ 11:22:11

Job Ticket #: 27215 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

Daystar Petroleum Inc

PO Box 360
Vally Center KS 67147

ATTN: Brad Rine

Land "A" #1-21

21 31 30 Meade KS

Job Ticket: 27215

DST#: 2

Test Start: 2007.12.13 @ 23:55:11

GENERAL INFORMATION:

Formation: **Chester**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:23:11

Time Test Ended: 11:22:11

Test Type: Conventional Bottom Hole

Tester: Delton Brown

Unit No: #28

Interval: **5502.00 ft (KB) To 5582.00 ft (KB) (TVD)**

Total Depth: 5582.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2767.00 ft (KB)

2755.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: **8321** Inside

Press@RunDepth: 31.23 psig @ 5505.00 ft (KB)

Start Date: 2007.12.13

End Date: 2007.12.14

Start Time: 23:55:12

End Time: 11:22:11

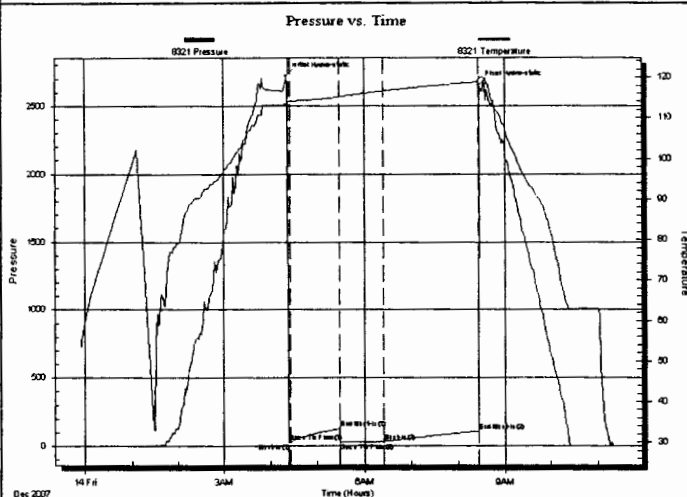
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.12.14 @ 04:20:41

Time Off Btm: 2007.12.14 @ 08:26:41

TEST COMMENT: IF Weak blow 1" @ 2 min.
ISI No return blow
FF Weak building blow to 4" @ 60 min.
FSI No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2718.89	113.46	Initial Hydro-static
3	26.44	113.36	Open To Flow (1)
5	25.64	114.03	Shut-In (1)
68	126.84	115.05	End Shut-In (1)
69	23.48	115.01	Open To Flow (2)
124	31.23	116.59	Shut-In (2)
246	110.14	118.83	End Shut-In (2)
246	2652.68	120.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	100% Mud	0.10

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

PO Box 360
Vally Center KS 67147

ATTN: Brad Rine

Land "A" #1-21

21 31 30 Meade KS

Job Ticket: 27215

DST#: 2

Test Start: 2007.12.13 @ 23:55:11

Tool Information

Drill Pipe:	Length: 5253.00 ft	Diameter: 3.80 inches	Volume: 73.69 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose:	66000.00 lb
		Total Volume:	74.89 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	5502.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	80.00 ft				
Tool Length:	107.00 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			5476.00	
Shut In Tool	5.00			5481.00	
Hydraulic tool	5.00			5486.00	
Jars	5.00			5491.00	
Safety Joint	2.00			5493.00	
Packer	5.00		Fluid	5498.00	27.00 Bottom Of Top Packer
Packer	4.00			5502.00	
Stubb	1.00			5503.00	
Perforations	2.00			5505.00	
Recorder	0.00	8321	Inside	5505.00	
Recorder	0.00	6752	Inside	5505.00	
Perforations	5.00			5510.00	
Change Over Sub	1.00			5511.00	
Drill Pipe	62.00			5573.00	
Change Over Sub	1.00			5574.00	
Perforations	5.00			5579.00	
Bullnose	3.00			5582.00	80.00 Bottom Packers & Anchor
Total Tool Length:	107.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27215

DST#: 2

ATTN: Brad Rine

Test Start: 2007.12.13 @ 23:55:11

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:

6400 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.19 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
20.00	100% Mud	0.098

Total Length:

20.00 ft

Total Volume:

0.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW=1.0@67F=6400ppm

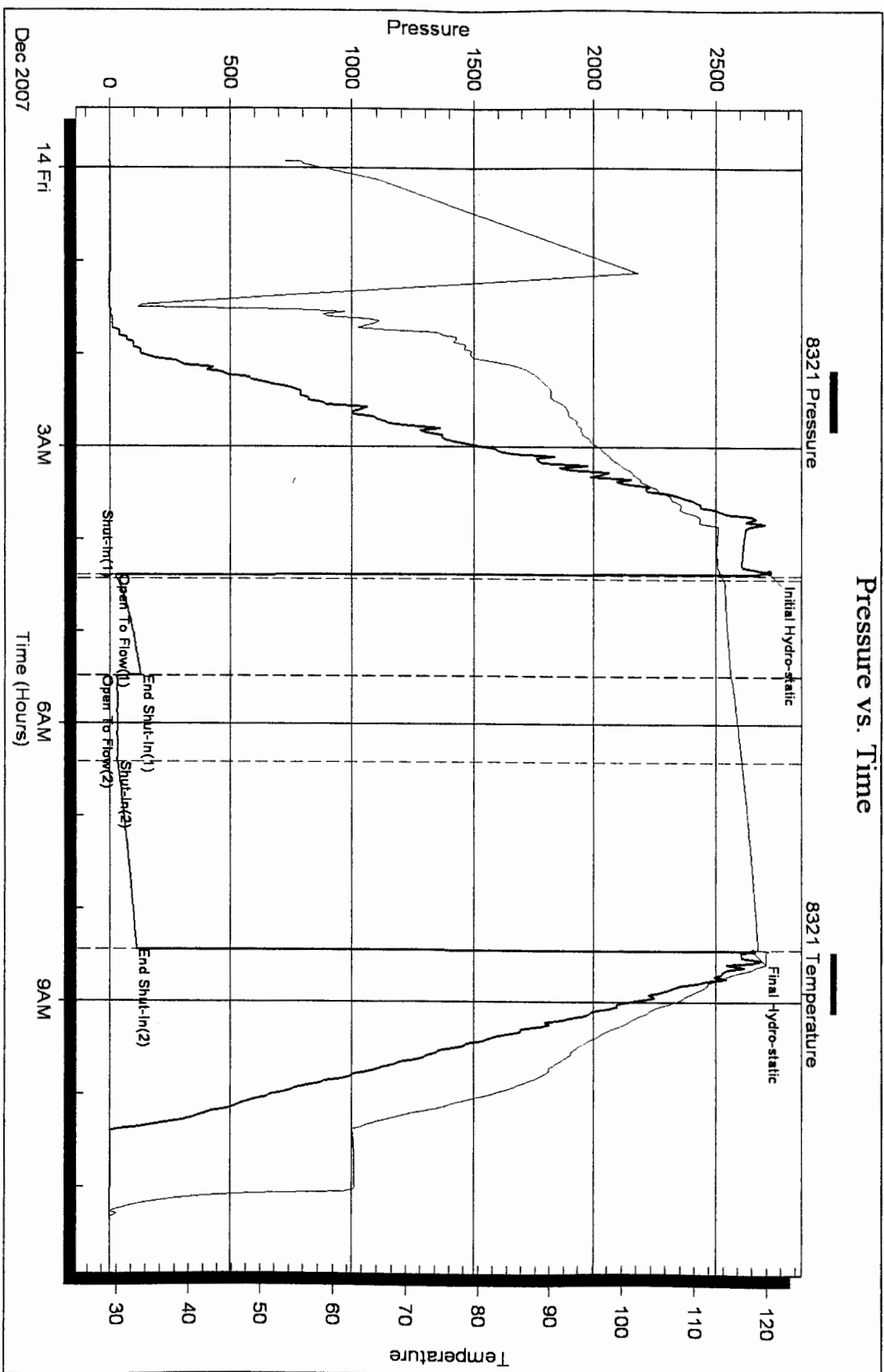
Serial #: 8321

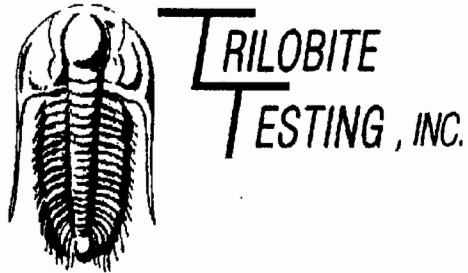
Inside

Daystar Petroleum Inc

21 31 30 Meade KS

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Daystar Petroleum Inc**

PO Box 360
Vally Center KS 67147

ATTN: Brad Rine

21 31 30 Meade KS

Land "A" #1-21

Start Date: 2007.12.14 @ 23:32:05

End Date: 2007.12.15 @ 16:14:35

Job Ticket #: 27216 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

PO Box 360
Vally Center KS 67147

ATTN: Brad Rine

Land "A" #1-21

21 31 30 Meade KS

Job Ticket: 27216

DST#: 3

Test Start: 2007.12.14 @ 23:32:05

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:53:20

Time Test Ended: 16:14:35

Test Type: Conventional Straddle

Tester: Delton Brown

Unit No: #28

Interval: **5419.00 ft (KB) To 5504.00 ft (KB) (TVD)**

Total Depth: 5582.00 ft (KB) (TVD)

Hole Diameter: 7.78 inches Hole Condition: Fair

Reference Elevations: 2767.00 ft (KB)

2755.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: **8321** Inside

Press@RunDepth: 93.30 psig @ 5422.00 ft (KB)

Start Date: 2007.12.14

End Date:

2007.12.15

Start Time: 23:32:06

End Time:

16:14:35

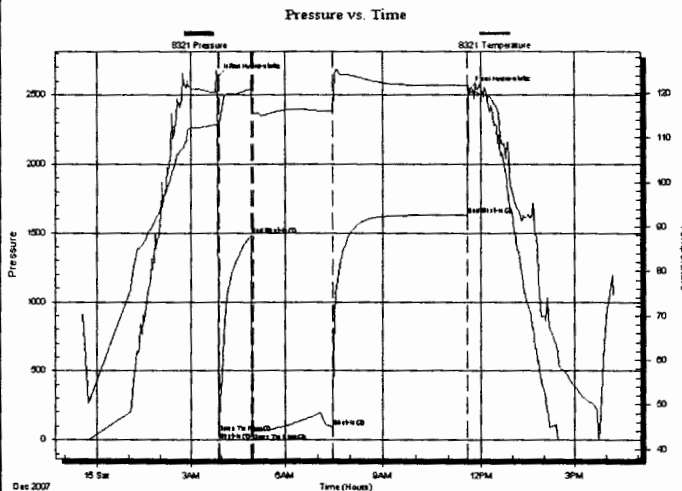
Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2007.12.15 @ 03:52:05

Time Off Btm: 2007.12.15 @ 11:38:05

TEST COMMENT: IF Strong blow BOB 1 min.
ISI No return blow
FF Strong blow BOB ASAO GTS 6 min.
FSI No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2625.86	112.16	Initial Hydro-static
2	52.04	112.04	Open To Flow (1)
4	55.34	112.58	Shut-In (1)
64	1486.22	120.90	End Shut-In (1)
67	53.74	115.47	Open To Flow (2)
216	93.30	115.86	Shut-In (2)
464	1631.75	121.86	End Shut-In (2)
466	2537.33	121.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
27.00	GM 2%G 98%M	0.13
124.00	GM 5%G 95%M	0.61
124.00	GM 10%G 90%M	0.88

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	3.00	117.38
Last Gas Rate	0.50	38.00	353.47
Max. Gas Rate	0.50	90.00	704.25



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petroleum Inc

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27216

DST#: 3

ATTN: Brad Rine

Test Start: 2007.12.14 @ 23:32:05

Tool Information

Drill Pipe:	Length: 5161.00 ft	Diameter: 3.80 inches	Volume: 72.40 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: 245.00 ft	Diameter: 2.25 inches	Volume: 1.20 bbl	Weight to Pull Loose:	120000.0 lb
		Total Volume:	73.60 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	5419.00 ft			Final	68000.00 lb
Depth to Bottom Packer:	5500.00 ft				
Interval between Packers:	81.00 ft				
Tool Length:	190.00 ft				
Number of Packers:	3	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5393.00	
Shut In Tool	5.00			5398.00	
Hydraulic tool	5.00			5403.00	
Jars	5.00			5408.00	
Safety Joint	2.00			5410.00	
Packer	5.00			5415.00	27.00 Bottom Of Top Packer
Packer	4.00			5419.00	
Stubb	1.00			5420.00	
Perforations	2.00			5422.00	
Recorder	0.00	8321	Inside	5422.00	
Change Over Sub	1.00			5423.00	
Drill Pipe	62.00			5485.00	
Change Over Sub	1.00			5486.00	
Perforations	13.00			5499.00	
Recorder	0.00	13761	Inside	5499.00	
Blank Off Sub	1.00			5500.00	81.00 Tool Interval
Packer	4.00			5504.00	
Stubb	1.00			5505.00	
Recorder	0.00	6752	Inside	5505.00	
Change Over Sub	1.00			5506.00	
Drill Pipe	62.00			5568.00	
Change Over Sub	1.00			5569.00	
Perforations	10.00			5579.00	
Bullnose	3.00			5582.00	82.00 Bottom Packers & Anchor
Total Tool Length:		190.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petroleum Inc

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27216

DST#: 3

ATTN: Brad Rine

Test Start: 2007.12.14 @ 23:32:05

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:

ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2300.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
27.00	GM 2%G 98%M	0.133
124.00	GM 5%G 95%M	0.610
124.00	GM 10%G 90%M	0.883

Total Length: 275.00 ft

Total Volume: 1.626 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

Land "A" #1-21

PO Box 360
Vally Center KS 67147

21 31 30 Meade KS

Job Ticket: 27216

DST#: 3

ATTN: Brad Rine

Test Start: 2007.12.14 @ 23:32:05

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 (m³/d)
2	10	0.50	3.00	117.38
2	10	0.50	3.00	117.38
2	20	0.50	3.00	117.38
2	30	0.50	7.00	144.36
2	40	0.50	13.00	184.83
2	50	0.50	20.00	232.05
2	60	0.50	30.00	299.51
2	70	0.50	37.00	346.73
2	80	0.50	46.00	407.44
2	90	0.50	60.00	501.88
2	100	0.50	72.00	582.83
2	110	0.50	80.00	636.79
2	120	0.50	90.00	704.25
2	130	0.50	40.00	366.97
2	140	0.50	38.00	353.47

Serial #: 8321

Inside Daystar Petroleum Inc

21 31 30 Meade KS

DST Test Number: 3

Pressure vs. Time

