

DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward,Ks

Barnhardt "A" #1

Start Date: 2002.12.03 @ 22:07:45

End Date: 2002.12.04 @ 06:27:44

Job Ticket #: 15213 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRIBOLITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward,KS

Job Ticket: 15213

DST#: 1

Test Start: 2002.12.03 @ 22:07:45

GENERAL INFORMATION:

Formation: **chase**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:49:14

Time Test Ended: 06:27:44

Test Type: Conventional Bottom Hole

Tester: Shane McBride

Unit No: 15

Interval: **2661.00 ft (KB) To 2717.00 ft (KB) (TVD)**

Total Depth: 2717.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2803.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3227

Inside

Press@RunDepth: 51.33 psig @ 2662.00 ft (KB)

Start Date: 2002.12.03

End Date:

2002.12.04

Start Time: 22:07:45

End Time:

06:27:44

Capacity: 7000.00 psig

Last Calib.: 2002.12.18

Time On Btm: 2002.12.04 @ 01:48:44

Time Off Btm: 2002.12.04 @ 04:23:44

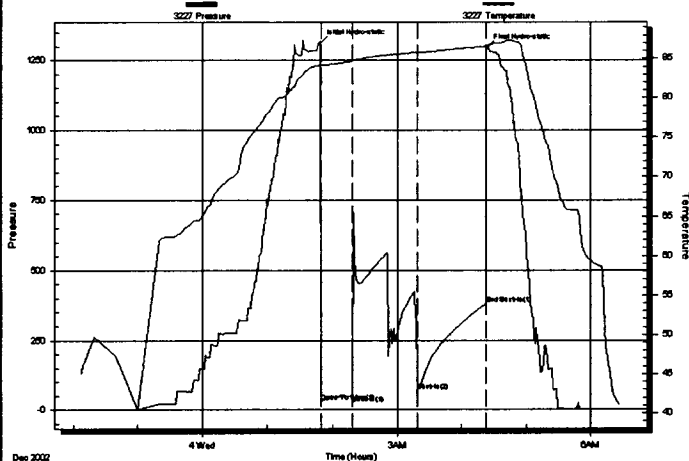
TEST COMMENT: IF-1" in. @ open, died back to 1/4" in.

IS-No return

FF-Bubble to open tool, no blow

FS-No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1313.49	84.19	Initial Hydro-static
1	29.26	84.14	Open To Flow (1)
30	51.33	84.65	Shut-In (1)
90	66.50	85.77	Shut-In (2)
154	379.86	86.55	End Shut-In (1)
155	1293.46	86.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	drilling mud 100% m	0.15

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 15213

DST#: 1

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.03 @ 22:07:45

Tool Information

Drill Pipe:	Length: 2009.00 ft	Diameter: 3.80 inches	Volume: 28.18 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 651.00 ft	Diameter: 2.25 inches	Volume: 3.20 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	31.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	2661.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	56.00 ft			
Tool Length:	83.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			2635.00	
S.I. Tool	5.00			2640.00	
HMV	5.00			2645.00	
Jars	5.00			2650.00	
Safety Joint	2.00			2652.00	
Packer	5.00			2657.00	27.00 Bottom Of Top Packer
Packer	4.00			2661.00	
Stubb	1.00			2662.00	
Recorder	0.00	3227	Inside	2662.00	
Perforations	17.00			2679.00	
C.O. Sub	1.00			2680.00	
drillpipe	31.00			2711.00	
C.O. Sub	1.00			2712.00	
Recorder	0.00	11057	Outside	2712.00	
Bullnose	5.00			2717.00	56.00 Bottom Packers & Anchor

Total Tool Length: 83.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 15213

DST#: 1

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.03 @ 22:07:45

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 27.00 sec/qt

Cushion Volume:

bbl

Water Loss: 0.00 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 38000.00 ppm

Filter Cake: 0.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	drilling mud 100%m	0.148

Total Length: 30.00 ft Total Volume: 0.148 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

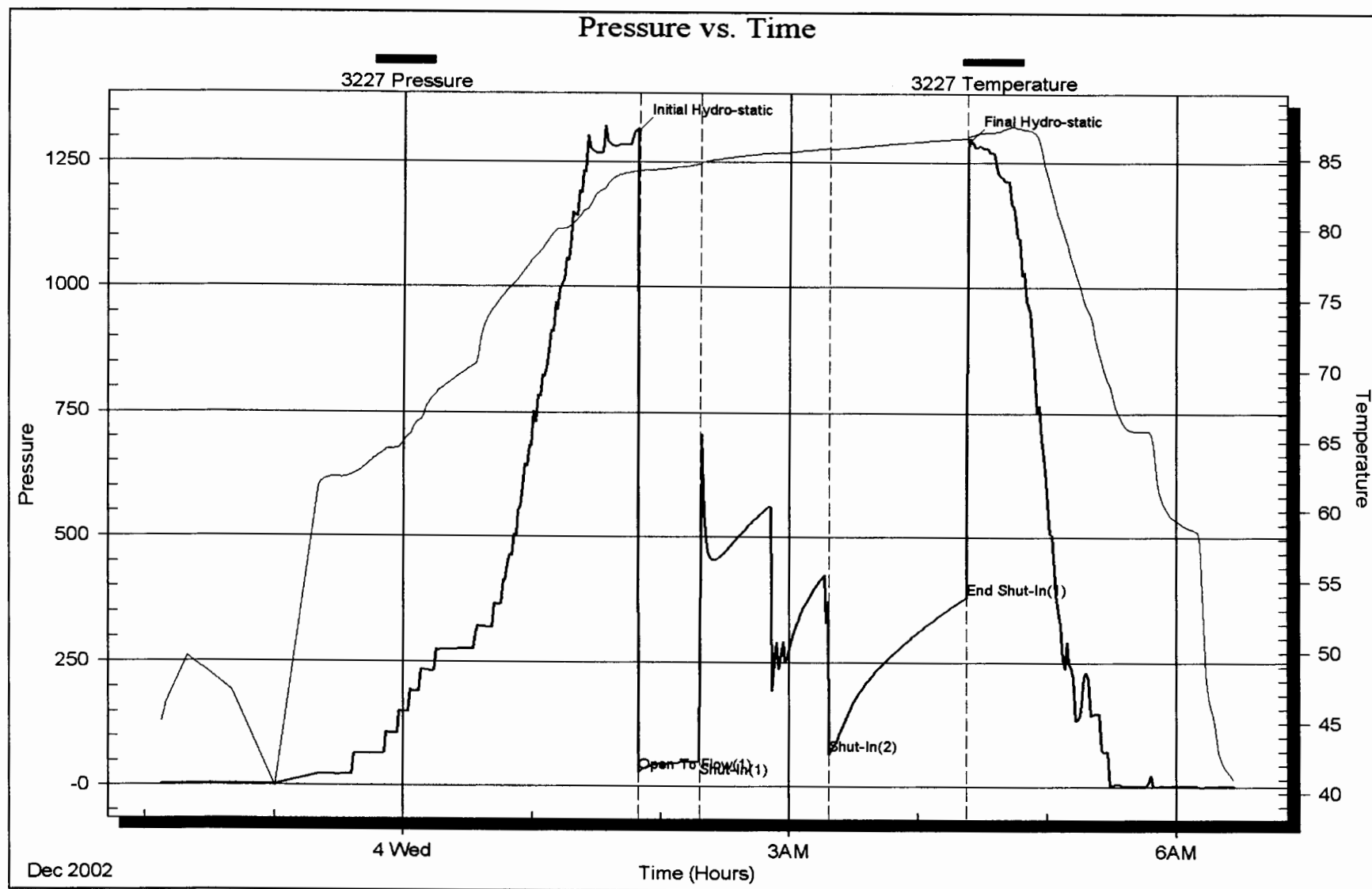
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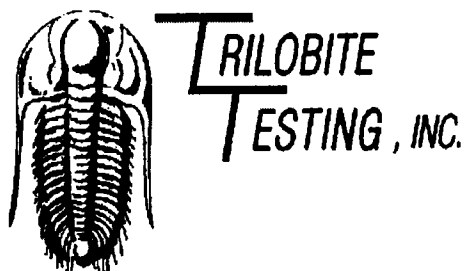
Serial #: 3227

Inside Daystar Petro. Inc.

23-31-31 Sew ard,Ks

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward,Ks

Barnhardt "A" #1

Start Date: 2002.12.07 @ 18:08:41

End Date: 2002.12.08 @ 02:04:41

Job Ticket #: 14480 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 Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward, Ks

Job Ticket: 14480

DST#: 2

Test Start: 2002.12.07 @ 18:08:41

GENERAL INFORMATION:

Formation: **KC/Swope**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:41:56

Time Test Ended: 02:04:41

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **4783.00 ft (KB) To 4804.00 ft (KB) (TVD)**

Total Depth: 4804.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2803.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026

Inside

Press@RunDepth: 18.93 psig @ 4785.00 ft (KB)

Start Date: 2002.12.07

End Date:

2002.12.08

Start Time: 18:08:43

End Time:

02:04:41

Capacity: 7000.00 psig

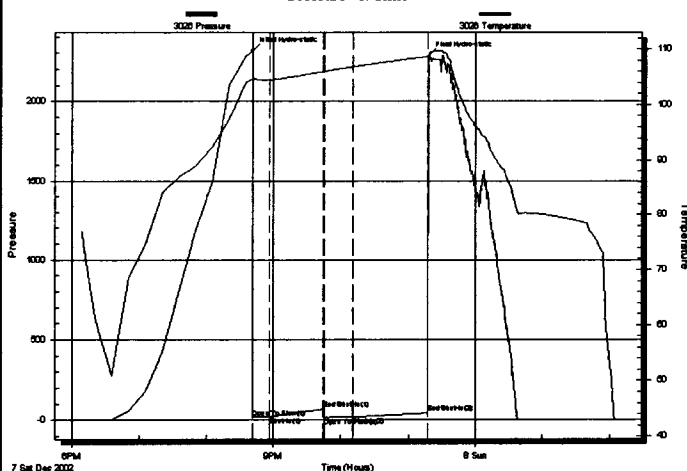
Last Calib.: 1899.12.30

Time On Btm: 2002.12.07 @ 20:41:26

Time Off Btm: 2002.12.07 @ 23:18:11

TEST COMMENT: F-weak surface blow
IS-no blow back
FF-weak surface blow died after 20 min
FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2315.31	104.70	Initial Hydro-static
1	16.01	103.92	Open To Flow (1)
15	19.75	104.52	Shut-In(1)
64	65.73	106.02	End Shut-In(1)
65	13.68	106.07	Open To Flow (2)
89	18.93	106.87	Shut-In(2)
156	41.81	108.69	End Shut-In(2)
157	2281.87	108.80	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 Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14480

DST#: 2

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.07 @ 18:08:41

Tool Information

Drill Pipe:	Length: 4151.00 ft	Diameter: 3.80 inches	Volume: 58.23 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: 20000.00 lb
Drill Collar:	Length: 627.00 ft	Diameter: 2.25 inches	Volume: 3.08 bbl	Weight to Pull Loose: 100000.0 lb
			<u>Total Volume: 61.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4783.00 ft			Final 78000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	21.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4757.00	
S.I. Tool	5.00			4762.00	
HMV	5.00			4767.00	
Jars	5.00			4772.00	
Safety Joint	2.00			4774.00	
Packer	5.00			4779.00	27.00 Bottom Of Top Packer
Packer	4.00			4783.00	
Stubb	1.00			4784.00	
Perforations	1.00			4785.00	
Recorder	0.00	3026	Inside	4785.00	
Perforations	17.00			4802.00	
Recorder	0.00	13637	Outside	4802.00	
Bullnose	2.00			4804.00	21.00 Bottom Packers & Anchor

Total Tool Length: 48.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14480

DST#: 2

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.07 @ 18:08:41

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: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 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:

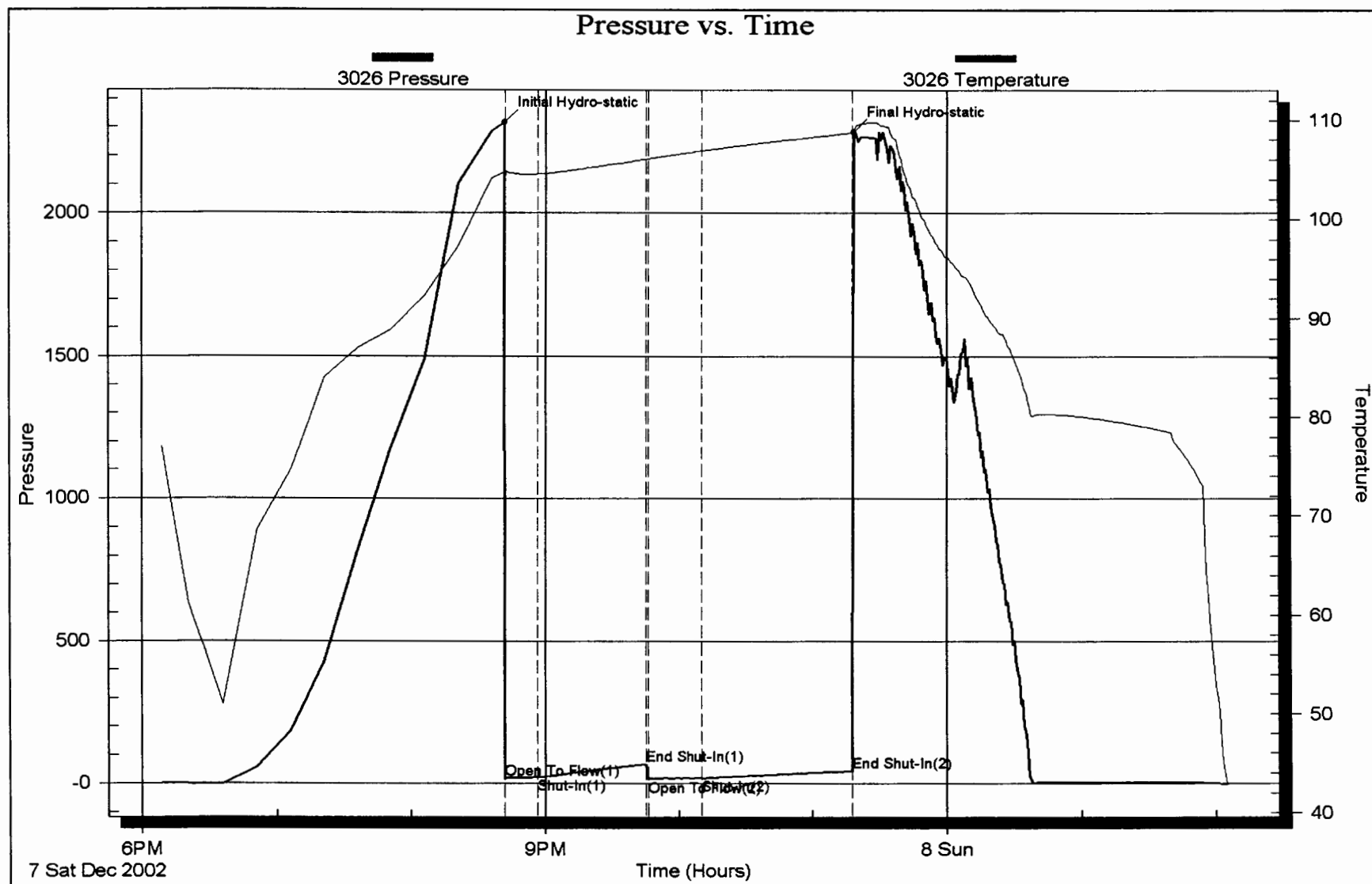
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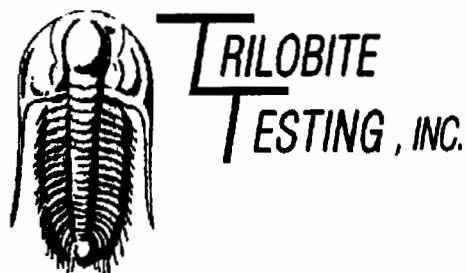
Serial #: 3026

Inside Daystar Petro. Inc.

23-31-31 Seward, Ks

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward,Ks

Barnhardt "A" #1

Start Date: 2002.12.09 @ 01:41:46

End Date: 2002.12.09 @ 11:20:31

Job Ticket #: 14481 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 Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward, Ks

Job Ticket: 14481

DST#: 3

Test Start: 2002.12.09 @ 01:41:46

GENERAL INFORMATION:

Formation: **Marmaton**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:17:46

Time Test Ended: 11:20:31

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **4932.00 ft (KB) To 5012.00 ft (KB) (TVD)**

Total Depth: 5012.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2803.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026

Inside

Press@RunDepth: 178.46 psig @ 4934.00 ft (KB)

Start Date: 2002.12.09

End Date:

2002.12.09

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Start Time: 01:41:48

End Time:

11:20:31

Time On Btm: 2002.12.09 @ 05:14:31

Time Off Btm: 2002.12.09 @ 09:02:31

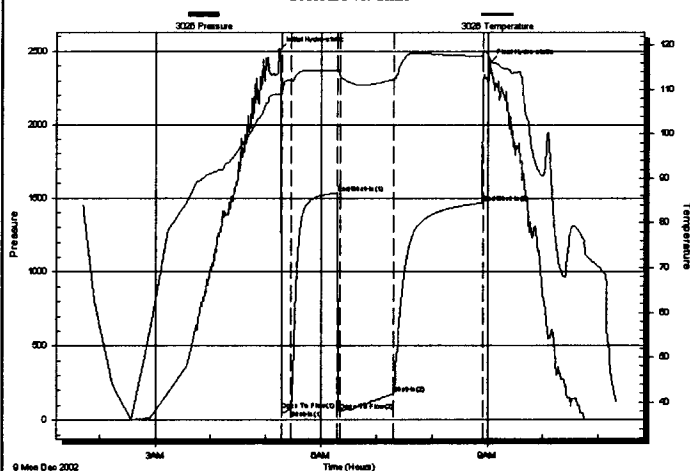
TEST COMMENT: F-strong blow BOB 20 sec

IS-no blow back

FF-strong blow BOB as soon as open GTS 30 sec

FS-no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2506.37	108.98	Initial Hydro-static
4	65.91	109.15	Open To Flow (1)
14	68.51	112.02	Shut-In (1)
64	1528.46	114.37	End Shut-In (1)
66	57.18	113.12	Open To Flow (2)
124	178.46	112.35	Shut-In (2)
221	1467.40	117.54	End Shut-In (2)
228	2422.62	116.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	10% G 90% M trace oil	0.60
93.00	50% G 20% O 10% W 20% M	0.46
93.00	40% G 50% O 5% W 5% M	0.46

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	1.00	5.76
Last Gas Rate	0.13	26.00	15.12
Max. Gas Rate	0.13	26.00	15.12



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14481

DST#: 3

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.09 @ 01:41:46

Tool Information

Drill Pipe:	Length: 4306.00 ft	Diameter: 3.80 inches	Volume: 60.40 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: 20000.00 lb
Drill Collar:	Length: 627.00 ft	Diameter: 2.25 inches	Volume: 3.08 bbl	Weight to Pull Loose: 85000.00 lb
			Total Volume: 63.48 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 78000.00 lb
Depth to Top Packer:	4932.00 ft			Final 79000.00 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	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			4906.00	
S.I. Tool	5.00			4911.00	
HMV	5.00			4916.00	
Jars	5.00			4921.00	
Safety Joint	2.00			4923.00	
Packer	5.00			4928.00	27.00 Bottom Of Top Packer
Packer	4.00			4932.00	
Stubb	1.00			4933.00	
Perforations	1.00			4934.00	
Recorder	0.00	3026	Inside	4934.00	
Perforations	5.00			4939.00	
Change Over Sub	1.00			4940.00	
Recorder	0.00	13637	Outside	4940.00	
Blank Spacing	62.00			5002.00	
Change Over Sub	1.00			5003.00	
Perforations	7.00			5010.00	
Bullnose	2.00			5012.00	80.00 Bottom Packers & Anchor
Total Tool Length:	107.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14481

DST#: 3

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.09 @ 01:41:46

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:

11000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
123.00	10% G 90% M trace oil	0.605
93.00	50% G 20% O 10% W 20% M	0.457
93.00	40% G 50% O 5% W 5% M	0.457

Total Length: 309.00 ft Total Volume: 1.519 bbl

Num Fluid Samples: 1

Num Gas Bombs: 0

Serial #:

Laboratory Name: Caraway

Laboratory Location: Liberal KS

Recovery Comments: RW= .579 @ 71 deg chlorides = 11000



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14481

DST#: 3

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.09 @ 01:41:46

Gas Rates Information

Temperature: 59 deg C
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

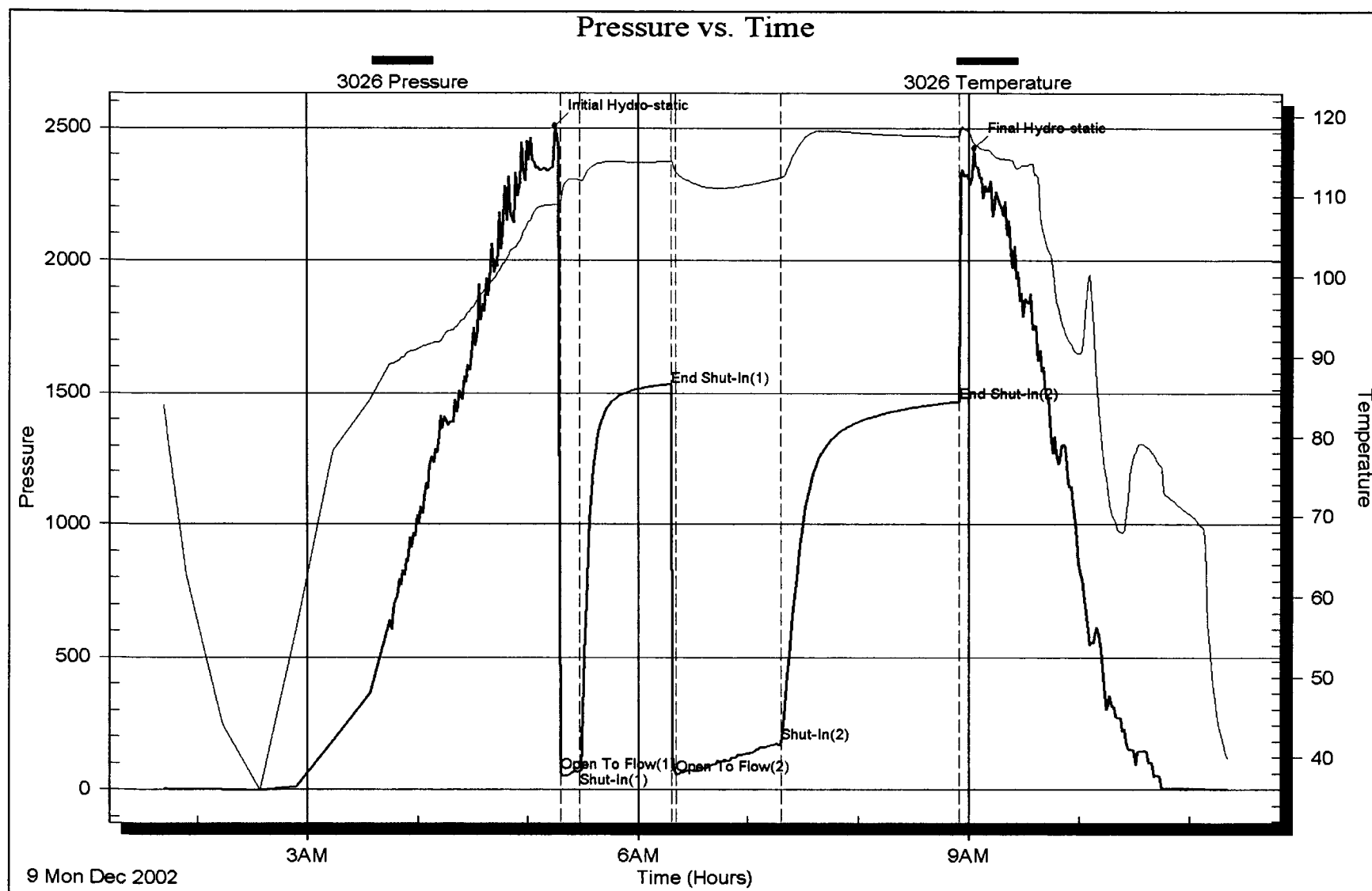
Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m ³ /d)
2	10	0.13	1.00	5.76
2	20	0.13	6.00	7.63
2	30	0.13	12.00	9.88
2	40	0.13	19.00	12.50
2	50	0.13	23.00	14.00
2	60	0.13	26.00	15.12

Serial #: 3026

Inside Daystar Petro. Inc.

23-31-31 Seward, Ks

DST Test Number: 3



NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, Inc.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 785-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 620-624-5389
 Fax: 620-626-7108

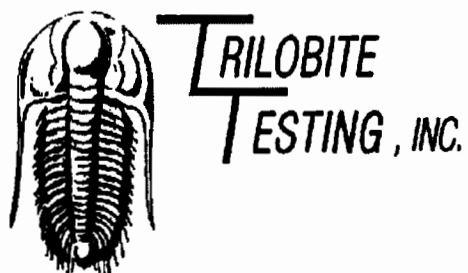
Lab Number:	20026105	Analyzed:	12/16/02
Sample From:	Barnhardt A-1	Pressure:	
Producer:	Daystar Petroleum	Temperature:	
Date:		Location:	23-31-31
Time:		County:	Seward
Sampler:		State:	Kansas
Source:	DST 3	Formation:	Marmaton

		Mole %	GPM
Helium	He:	0.221	0.000
Hydrogen	H2:	0.000	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	14.790	0.000
Carbon Dioxide	CO2:	0.049	0.000
Methane	C1:	65.029	0.000
Ethane	C2:	7.432	1.988
Propane	C3:	6.882	1.896
Iso Butane	iC4:	0.998	0.326
Normal Butane	nC4:	2.459	0.775
Iso Pentane	iC5:	0.644	0.236
Normal Pentane	nC5:	0.691	0.250
Hexanes Plus	C6+:	0.805	0.351

TOTAL: 100.000 5.823
 Z Fact: 0.9966
 SP.GR.: 0.8179
 BTU (SAT): 1155.1 @ 14.73 psia
 BTU (DRY): 1175.6 @ 14.73 psia
 OCTANE RATING: 103.2

COMMENTS:

0.000



DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward,Ks

Barnhardt "A" #1

Start Date: 2002.12.10 @ 03:07:34

End Date: 2002.12.10 @ 16:49:34

Job Ticket #: 14482 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 Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward, Ks

Job Ticket: 14482

DST#: 4

Test Start: 2002.12.10 @ 03:07:34

GENERAL INFORMATION:

Formation: **Marmaton/Pawnee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:59:19

Time Test Ended: 16:49:34

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **5053.00 ft (KB) To 5138.00 ft (KB) (TVD)**

Total Depth: 5138.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2803.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026

Inside

Press@RunDepth: 474.88 psig @ 5055.00 ft (KB)

Start Date: 2002.12.10

End Date:

2002.12.10

Start Time: 03:07:36

End Time:

16:49:34

Capacity: 7000.00 psig

Last Calib.: 1899.12.30

Time On Btm: 2002.12.10 @ 06:57:04

Time Off Btm: 2002.12.10 @ 12:29:19

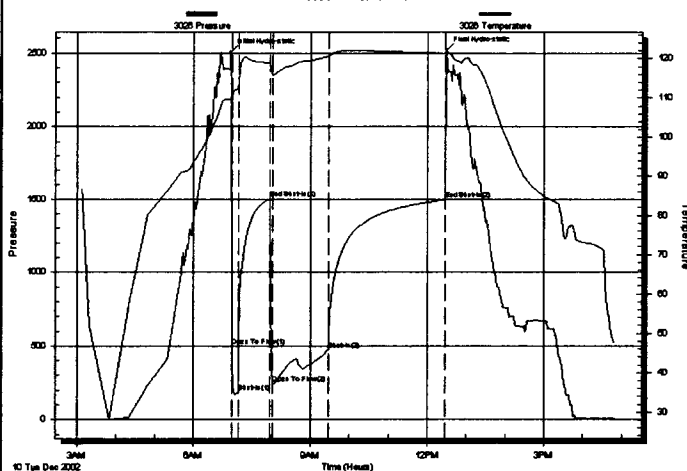
TEST COMMENT: IF-strong blow BOB 20 sec GTS 6 min

IS-blew back thru out

FF-strong blow BOB as soon as open (to small to gauge) (after 40 min built to 20 PSI for 8 min then died off)

FSI-blew back thru out

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2506.83	109.71	Initial Hydro-static
3	502.22	109.51	Open To Flow (1)
13	187.45	112.22	Shut-In (1)
61	1502.32	118.83	End Shut-In (1)
66	244.87	115.71	Open To Flow (2)
151	474.88	120.58	Shut-In (2)
332	1495.75	121.38	End Shut-In (2)
333	2518.86	121.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
279.00	40% G 60% O	1.37
729.00	50% G 40% O 10% M	7.06
727.00	60% G 10% O 30% M	10.20

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14482

DST#: 4

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.10 @ 03:07:34

Tool Information

Drill Pipe:	Length: 4429.00 ft	Diameter: 3.80 inches	Volume: 62.13 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: 20000.00 lb
Drill Collar:	Length: 627.00 ft	Diameter: 2.25 inches	Volume: 3.08 bbl	Weight to Pull Loose: lb
			Total Volume: 65.21 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5053.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	85.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5027.00	
S.I. Tool	5.00			5032.00	
HMV	5.00			5037.00	
Jars	5.00			5042.00	
Safety Joint	2.00			5044.00	
Packer	5.00			5049.00	27.00 Bottom Of Top Packer
Packer	4.00			5053.00	
Stubb	1.00			5054.00	
Perforations	1.00			5055.00	
Recorder	0.00	3026	Inside	5055.00	
Perforations	10.00			5065.00	
Change Over Sub	1.00			5066.00	
Recorder	0.00	13637	Outside	5066.00	
Blank Spacing	62.00			5128.00	
Change Over Sub	1.00			5129.00	
Perforations	7.00			5136.00	
Bullnose	2.00			5138.00	85.00 Bottom Packers & Anchor
Total Tool Length:		112.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14482

DST#: 4

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.10 @ 03:07:34

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

36 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.17 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3400.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
279.00	40%G 60%O	1.372
729.00	50% G 40%O 10% M	7.056
727.00	60% G 10% O 30% M	10.198

Total Length: 1735.00 ft Total Volume: 18.626 bbl

Num Fluid Samples: 0

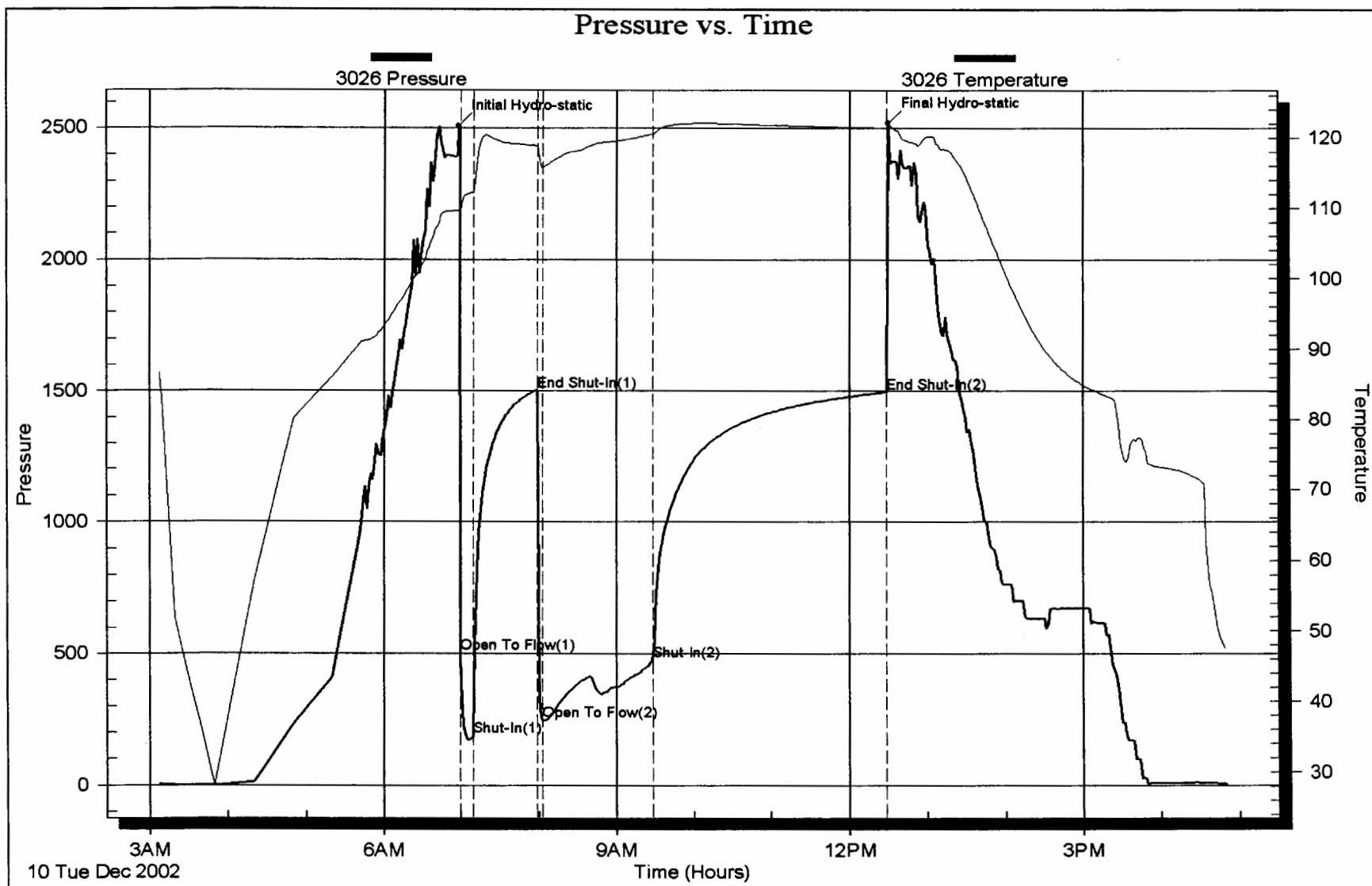
Num Gas Bombs: 0

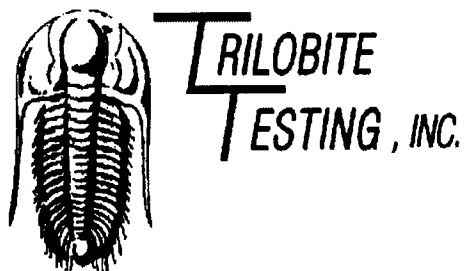
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: API= 37 @ 58 corrected 36





DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward, Ks

Barnhardt "A" #1

Start Date: 2002.12.11 @ 16:36:29

End Date: 2002.12.12 @ 02:20:12

Job Ticket #: 14483 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 Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward, Ks

Job Ticket: 14483

DST#: 5

Test Start: 2002.12.11 @ 16:36:29

GENERAL INFORMATION:

Formation: **Cherokee**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:55:57

Time Test Ended: 02:20:12

Test Type: Conventional Bottom Hole

Tester: Blake Wallace

Unit No: 20

Interval: **5227.00 ft (KB) To 5377.00 ft (KB) (TVD)**

Total Depth: 5377.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2803.00 ft (KB)

2792.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 3026

Inside

Press@RunDepth: 80.68 psig @ 5229.00 ft (KB)

Start Date: 2002.12.11

End Date: 2002.12.12

Start Time: 16:36:29

End Time: 02:20:12

Capacity: 7000.00 psig

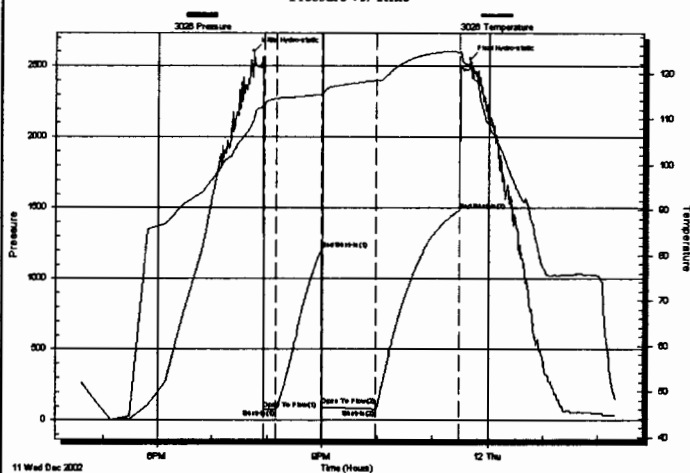
Last Calib.: 1899.12.30

Time On Btm: 2002.12.11 @ 19:44:42

Time Off Btm: 2002.12.11 @ 23:39:42

TEST COMMENT: F-strong blow BOB 5 min
IS-blow back built to 1/2 inch
FF-strong blow BOB as soon as open GTS 57 min
FSI-no blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2603.68	109.74	Initial Hydro-static
12	80.22	112.57	Open To Flow (1)
25	79.02	114.49	Shut-In (1)
75	1205.93	115.44	End Shut-In (1)
76	101.33	115.62	Open To Flow (2)
134	80.68	118.47	Shut-In (2)
224	1485.21	124.59	End Shut-In (2)
236	2551.85	121.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
113.00	5% G 95% M trace oil	0.56

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14483

DST#: 5

ATTN: Daystar Petro. Inc.

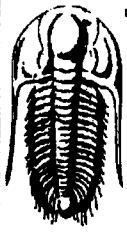
Test Start: 2002.12.11 @ 16:36:29

Tool Information

Drill Pipe:	Length: 4584.00 ft	Diameter: 3.80 inches	Volume: 64.30 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: 20000.00 lb
Drill Collar:	Length: 627.00 ft	Diameter: 2.25 inches	Volume: 3.08 bbl	Weight to Pull Loose: 110000.0 lb
		Total Volume:	67.38 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	11.00 ft			String Weight: Initial 80000.00 lb
Depth to Top Packer:	5227.00 ft			Final 84000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	150.00 ft			
Tool Length:	177.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5201.00	
S.I. Tool	5.00			5206.00	
HMV	5.00			5211.00	
Jars	5.00			5216.00	
Safety Joint	2.00			5218.00	
Packer	5.00			5223.00	27.00 Bottom Of Top Packer
Packer	4.00			5227.00	
Stubb	1.00			5228.00	
Perforations	1.00			5229.00	
Recorder	0.00	3026	Inside	5229.00	
Perforations	10.00			5239.00	
Change Over Sub	1.00			5240.00	
Blank Spacing	124.00			5364.00	
Change Over Sub	1.00			5365.00	
Perforations	10.00			5375.00	
Recorder	0.00	13637	Outside	5375.00	
Bullnose	2.00			5377.00	150.00 Bottom Packers & Anchor
Total Tool Length:		177.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14483

DST#: 5

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.11 @ 16:36:29

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.96 in³

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
113.00	5% G 95% M trace oil	0.556

Total Length: 113.00 ft

Total Volume: 0.556 bbl

Num Fluid Samples: 0

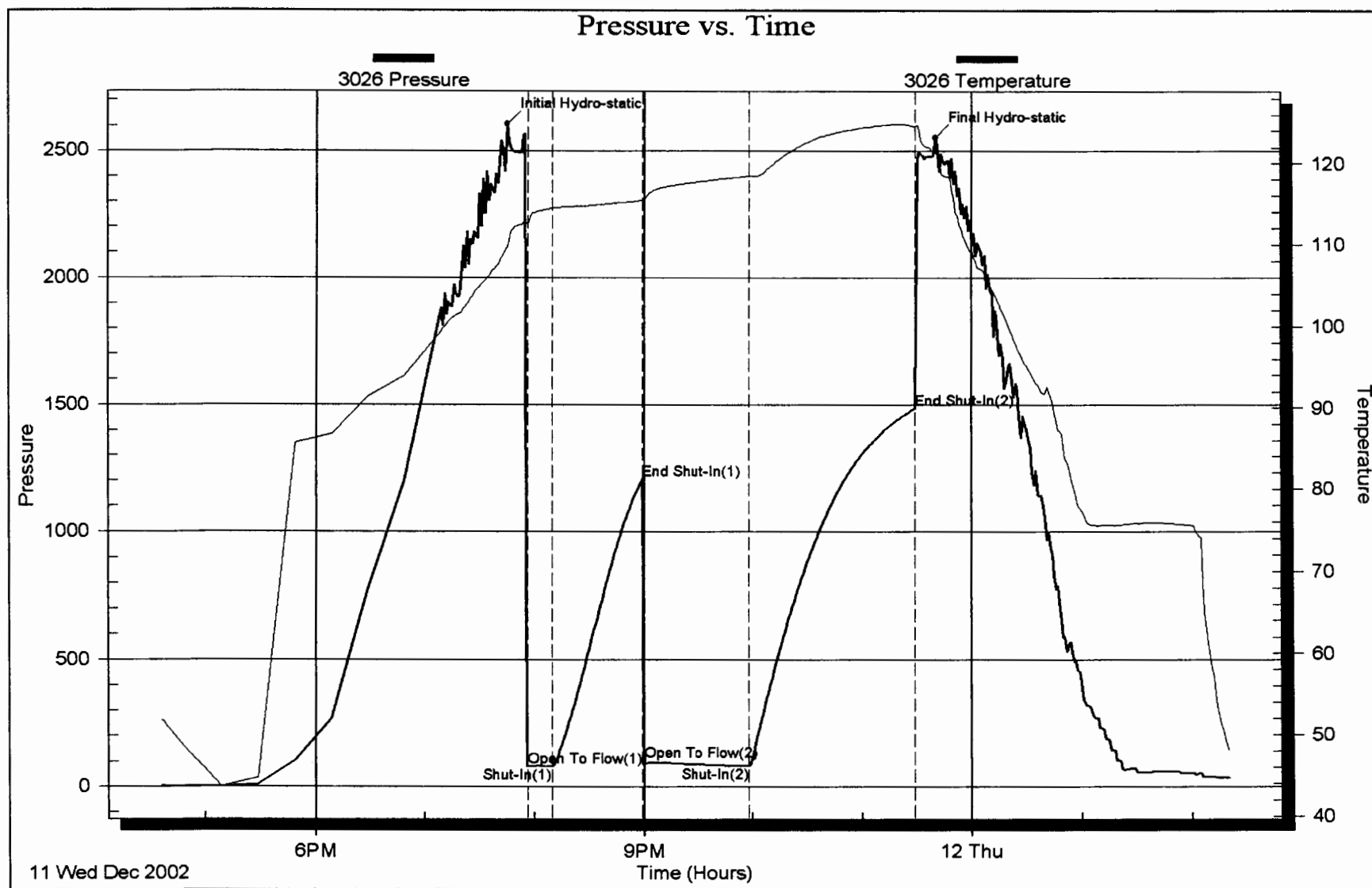
Num Gas Bombs: 0

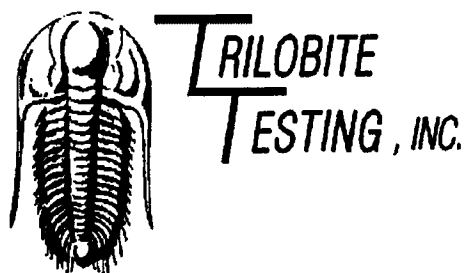
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward, Ks

Barnhardt "A" #1

Start Date: 2002.12.12 @ 18:39:17

End Date: 2002.12.13 @ 03:35:47

Job Ticket #: 14437 DST #: 6

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



TRILLOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Daystar Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward, KS

Job Ticket: 14437

DST#: 6

Test Start: 2002.12.12 @ 18:39:17

GENERAL INFORMATION:

Formation: **Marrow/U. Chester**

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

Time Tool Opened: 21:18:47

Time Test Ended: 03:35:47

Test Type: **Conventional Bottom Hole**

Tester: **Shad Vieux**

Unit No: **17**

Interval: **5365.00 ft (KB) To 5515.00 ft (KB) (TVD)**

Total Depth: **5515.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2803.00 ft (KB)**

2792.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 3307 **Inside**

Press@RunDepth: **1679.46 psig @ 5366.00 ft (KB)**

Start Date: **2002.12.12**

End Date: **2002.12.13**

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Start Time: **18:39:18**

End Time: **03:35:47**

Time On Btm: **2002.12.12 @ 21:18:17**

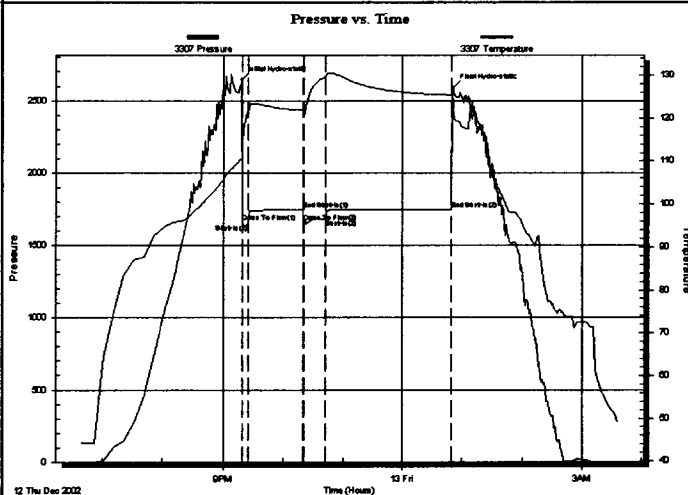
Time Off Btm: **2002.12.13 @ 00:50:47**

TEST COMMENT: **IF- Strong Blow B.O.B. in 30 sec. G.T.S. in 2 min.**

ISI- No Blow

FF- Strong Blow B.O.B. immediately Gauging Gas

FSI- No Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2645.05	110.65	Initial Hydro-static
1	1659.53	110.71	Open To Flow (1)
7	1649.59	121.68	Shut-in(1)
62	1744.34	121.87	End Shut-in(1)
63	1661.75	121.82	Open To Flow (2)
84	1679.46	129.69	Shut-in(2)
212	1748.77	125.41	End Shut-in(2)
213	2592.56	123.76	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.75	520.00	8347.25
Last Gas Rate	0.75	560.00	8972.05
Max. Gas Rate	0.75	580.00	9284.44



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14437

DST#: 6

ATTN: Daystar Petro. Inc.

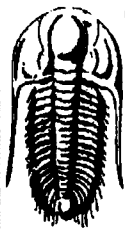
Test Start: 2002.12.12 @ 18:39:17

Tool Information

Drill Pipe:	Length: 4740.00 ft	Diameter: 3.80 inches	Volume: 66.49 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: 20000.00 lb
Drill Collar:	Length: 627.00 ft	Diameter: 2.25 inches	Volume: 3.08 bbl	Weight to Pull Loose: 94000.00 lb
		Total Volume:	69.57 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	5365.00 ft			Final 88000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	150.00 ft			
Tool Length:	178.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5338.00	
S.I. Tool	5.00			5343.00	
HMV	5.00			5348.00	
Jars	5.00			5353.00	
Safety Joint	2.00			5355.00	
C.O. Sub	1.00			5356.00	
Packer	5.00			5361.00	28.00 Bottom Of Top Packer
Packer	4.00			5365.00	
Stubb	1.00			5366.00	
Recorder	0.00	3307	Inside	5366.00	
Perforations	20.00			5386.00	
C.O. Sub	1.00			5387.00	
Blank Spacing	124.00			5511.00	
C.O. Sub	1.00			5512.00	
Recorder	0.00	13362	Inside	5512.00	
Bullnose	3.00			5515.00	150.00 Bottom Packers & Anchor
Total Tool Length:		178.00			



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14437

DST#: 6

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.12 @ 18:39:17

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: 57.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Length:

ft

Total Volume:

bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14437

DST#: 6

ATTN: Daystar Petro. Inc.

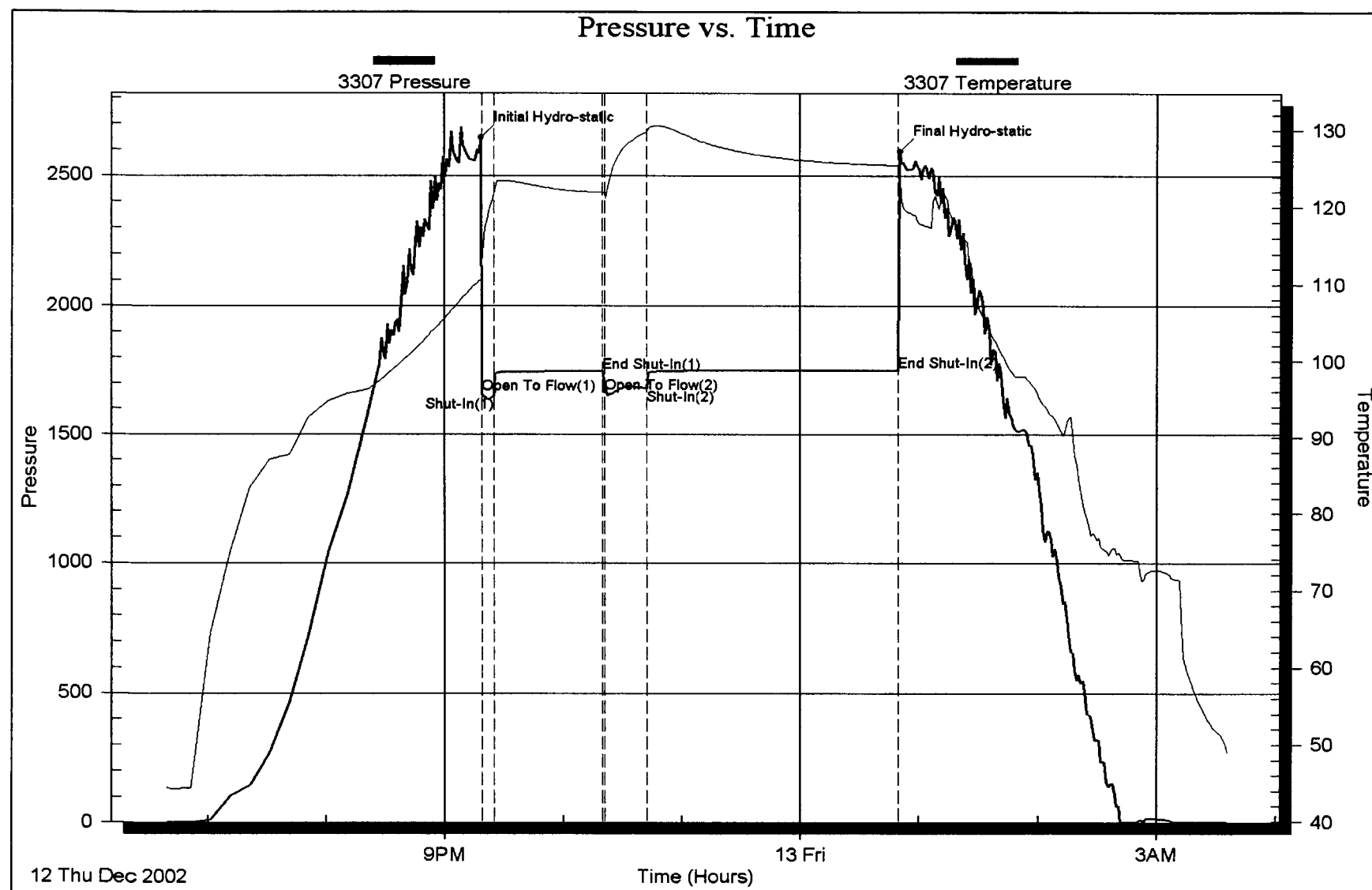
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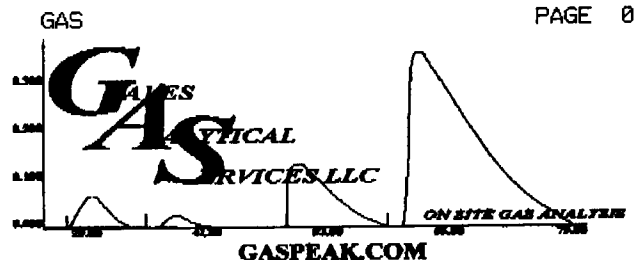
Gas Rates Information

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	0.75	520.00	8347.25
2	15	0.75	580.00	9284.44
2	20	0.75	570.00	9128.24
2	25	0.75	560.00	8972.05





(620) 428-6069 Fax
(620) 428-6053 Office
(620) 428-2277 Cellular

PO Box 253
Hugoton, Kansas 67951
Email: jogfss@pld.com

Sample ID: 28200
Station #: 233131
Name: #1 BARNHARDT A (DST#6)
Code: TRILOBITE

Sampled Date: 12/13/2002
Effective Date: 12/13/2002
Analysis File: 233131.BDF

Components	Mole %	Btu	Gravity	GPM
Helium:	0.150	0.000	0.000	0.000
Hydrogen:	0.000	0.000	0.000	0.000
Oxygen:	0.000	0.000	0.000	0.000
Nitrogen:	7.043	0.000	0.068	0.000
Methane:	80.722	818.797	0.447	0.000
Carbon Dioxide:	0.138	0.000	0.002	0.000
Hydrogen Sulfide:	0.000	0.000	0.000	0.000
Ethane:	6.179	109.850	0.064	1.653
Propane:	3.452	87.257	0.053	0.951
i-Butane:	0.489	15.975	0.010	0.160
n-Butane:	1.004	32.905	0.020	0.317
i-Pentane:	0.247	9.928	0.006	0.080
n-Pentane:	0.271	10.915	0.007	0.098
Hexanes+C6:	0.306	15.523	0.010	0.125
Ideal Total:	100.000	1101.150	0.687	3.394

Gasoline Content	
Propane GPM:	0.951
Butane GPM:	0.477
Gasoline GPM:	0.313
26# Gasoline GPM:	0.489

Gross BTU/Real Cu. Ft. (@ 60 deg F, 14.730 PSIA)

Dry: 1104.2

Sat: 1088.2

(1.000 lbs. water/MMCF)

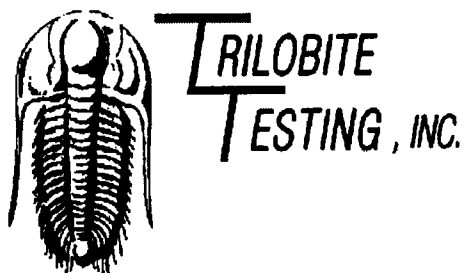
Gas Compressibility: 0.9873

Real Gravity Calculated: 0.687

H2S PPM: 0

Comments: Daystar Petroleum Inc.

Analyst: Joseph H. Graves



DRILL STEM TEST REPORT

Prepared For: **Daystar Petro. Inc.**

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

23-31-31 Seward,Ks

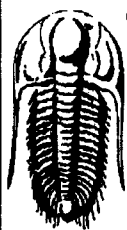
Barnhardt "A" #1

Start Date: 2002.12.14 @ 21:13:55

End Date: 2002.12.15 @ 07:28:55

Job Ticket #: 14438 DST #: 7

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 Petro. Inc.

1321 West 93rd North
Valley Center, KS 67147

ATTN: Daystar Petro. Inc.

Barnhardt "A" #1

23-31-31 Seward, Ks

Job Ticket: 14438

DST#: 7

Test Start: 2002.12.14 @ 21:13:55

GENERAL INFORMATION:

Formation: **St. Louis**

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

Time Tool Opened: 00:23:25

Time Test Ended: 07:28:55

Test Type: **Conventional Bottom Hole**

Tester: **Shad Vieux**

Unit No: **17**

Interval: **5750.00 ft (KB) To 5865.00 ft (KB) (TVD)**

Total Depth: **5865.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2803.00 ft (KB)**

2792.00 ft (CF)

KB to GR/CF: **11.00 ft**

Serial #: 3307

Inside

Press@RunDepth: **213.67 psig @ 5751.00 ft (KB)**

Start Date: **2002.12.14**

End Date:

2002.12.15

Start Time: **21:13:56**

End Time:

07:28:55

Capacity: **7000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2002.12.15 @ 00:22:55**

Time Off Btm: **2002.12.15 @ 04:24:25**

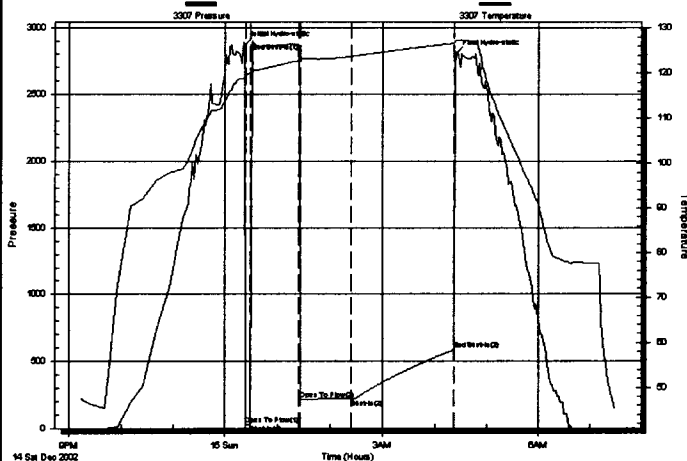
TEST COMMENT: **IF- Weak Blow Surface Blow**

IS- No Blow Back

FF- Fair Blow 11 in. decreased to 3 in.

FS- No Blow Back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2867.60	119.28	Initial Hydro-static
1	24.25	119.38	Open To Flow (1)
6	23.97	119.99	Shut-In(1)
61	2878.91	122.79	End Shut-In(1)
63	213.21	123.51	Open To Flow (2)
121	213.67	123.76	Shut-In(2)
240	584.51	126.64	End Shut-In(2)
242	2805.11	127.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
370.00	100%-M	1.82

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14438

DST#: 7

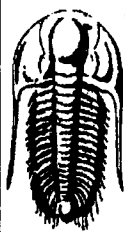
ATTN: Daystar Petro. Inc.

Test Start: 2002.12.14 @ 21:13:55

Tool Information

Drill Pipe:	Length: 5114.00 ft	Diameter: 3.80 inches	Volume: 71.74 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: 20000.00 lb
Drill Collar:	Length: 627.00 ft	Diameter: 2.25 inches	Volume: 3.08 bbl	Weight to Pull Loose: 96000.00 lb
			Total Volume: 74.82 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 88000.00 lb
Depth to Top Packer:	5750.00 ft			Final 90000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	150.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			5723.00	
S.I. Tool	5.00			5728.00	
HMV	5.00			5733.00	
Jars	5.00			5738.00	
Safety Joint	2.00			5740.00	
C.O. Sub	1.00			5741.00	
Packer	5.00			5746.00	28.00 Bottom Of Top Packer
Packer	4.00			5750.00	
Stubb	1.00			5751.00	
Recorder	0.00	3307	Inside	5751.00	
Perforations	15.00			5766.00	
C.O. Sub	1.00			5767.00	
Blank Spacing	94.00			5861.00	
C.O. Sub	1.00			5862.00	
Perforations	7.00			5869.00	
Recorder	0.00	6246	Inside	5869.00	
Bullnose	3.00			5872.00	122.00 Bottom Packers & Anchor
Total Tool Length:		150.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Daystar Petro. Inc.

Barnhardt "A" #1

1321 West 93rd North
Valley Center, KS 67147

23-31-31 Seward, Ks

Job Ticket: 14438

DST#: 7

ATTN: Daystar Petro. Inc.

Test Start: 2002.12.14 @ 21:13:55

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:

9000 ppm

Viscosity: 50.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

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
370.00	100%-M	1.820

Total Length: 370.00 ft Total Volume: 1.820 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

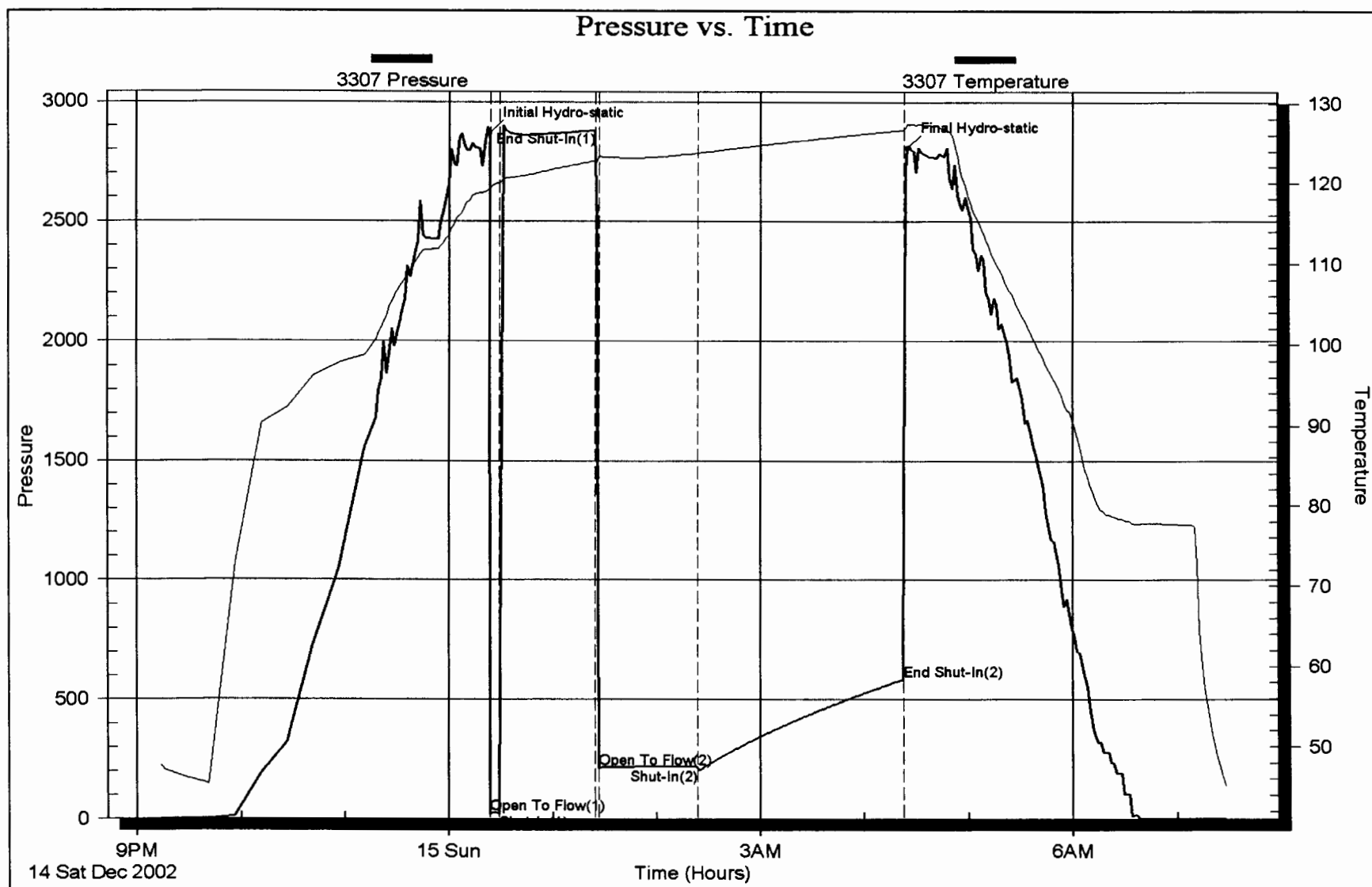
Recovery Comments: RW=1.465@34.4 F

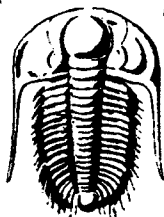
Serial #: 3307

Inside Daystar Petro, Inc.

23-31-31 Seward, Ks

DST Test Number: 7





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15213

Test Ticket

Well Name & No. Burnhardt "A" #1 Test No. #1 Date 12-4-02
 Company Daystar Petro Inc Zone Tested Chase
 Address 1321 West 93rd North, Valley Center, KS 67147 Elevation 2803 KB 2792 GL
 Co. Rep / Geo. Brad Rine Cont. B.G. "A" #2 Est. Ft. of Pay Por. %
 Location: Sec. 23 Twp. 31S Rge. 31W Co. Seward State KS
 No. of Copies Norm Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 2661' 2717' Initial Str Wt./Lbs. 60,000 Unseated Str Wt./Lbs. 60,000
 Anchor Length 56' Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 80,000
 Top Packer Depth 2656' Tool Weight 1500
 Bottom Packer Depth 2661' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
 Total Depth 2717' Wt. Pipe Run Drill Collar Run 651'
 Mud Wt. 9.5 LCM Ø Vis. 27 WL N/C Drill Pipe Size 4 1/2 X H Ft. Run 2040'
 Blow Description 1" in @ open died back to a 1/4" in.

No return
Bubble to open tool - No blow
No return

Recovery — Total Feet 30' GIP Ft. in DC 30' Ft. in DP
 Rec. 30' Feet Of Darting Mud %gas %oil %water 100% mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 86° °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 38,000 ppm System

(A) Initial Hydrostatic Mud	AK-1	Alpine	1313	PSI	Recorder No. <u>3227</u>	T-On Location <u>21:00 p.m</u>
(B) First Initial Flow Pressure			<u>29</u>	PSI	(depth) <u>2662'</u>	T-Started <u>22:15 p.m</u>
(C) First Final Flow Pressure			<u>51</u>	PSI	Recorder No. <u>11057</u>	T-Open <u>01:55 a.m</u>
(D) Initial Shut-In Pressure			51	PSI	(depth) <u>2712'</u>	T-Pulled <u>04:25 a.m.</u>
(E) Second Initial Flow Pressure				PSI	Recorder No. <u> </u>	T-Out <u>06:45 a.m.</u>
(F) Second Final Flow Pressure				PSI	(depth) <u> </u>	T-Off Location <u>08:15 a.m.</u>
(G) Final Shut-in Pressure			<u>379</u>	PSI	Initial Opening <u>30</u>	Test <u>X</u> <u>700</u>
(Q) Final Hydrostatic Mud			<u>1293</u>	PSI	Initial Shut-in <u>30</u>	Jars <u>X</u> <u>200</u>
					Final Flow <u>30</u>	Safety Joint <u>X</u> <u>50</u>
					Final Shut-in <u>60</u>	Straddle <u> </u>

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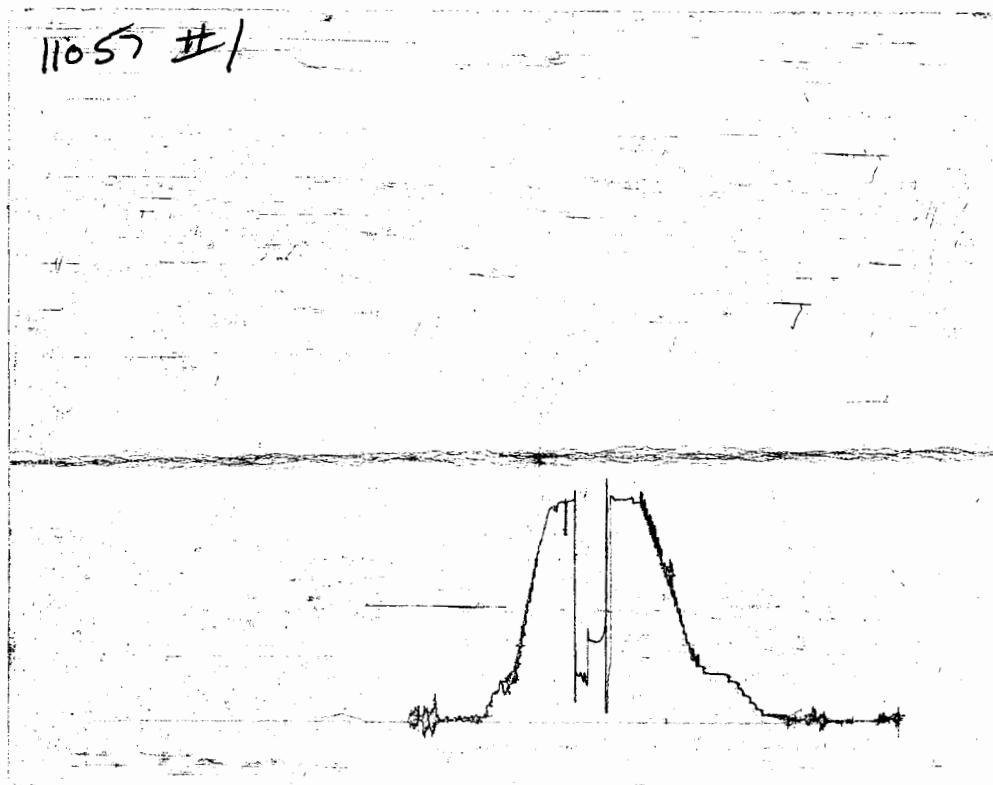
Approved By Brad Rine

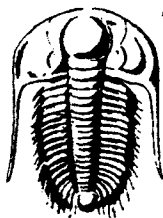
Our Representative Shawn B. B.

Extra Packer
 Elec. Rec. X 150
 Mileage X 98 1 way 9850
 Other 2498 1150
 TOTAL PRICE \$

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14480

Test Ticket

Well Name & No. <u>BARNHARDT A#1</u>	Test No. <u>2</u>	Date <u>12-7-02</u>
Company <u>DAYSTAR Petro. Inc.</u>	Zone Tested <u>KC / SWAPE</u>	
Address <u>1321 W 93rd North Valley Center KS 67147</u>	Elevation <u>2805'</u>	KB <u>2793'</u> GL
Co. Rep / Geo. <u>Brad Pine</u>	Cont. <u>Big A Pig #2</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>23</u> Twp. <u>31</u> Rge. <u>31</u>	Co. <u>SEWARD</u>	State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>4783'-4804'</u>	Initial Str Wt./Lbs. <u>78000</u>	Unseated Str Wt./Lbs. <u>78000</u>
Anchor Length <u>21'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>100000</u>
Top Packer Depth <u>4778'</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4783'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>4804'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>6027'</u>
Mud Wt. <u>9.0</u> LCM <u>4</u> Vis. <u>56</u> WL <u>8.0</u>	Drill Pipe Size <u>4.5 X-0</u>	Ft. Run <u>451'</u>
Blow Description <u>IT-WEAK SURFACE. blow</u>		
<u>ISI-NO blow back</u>		
<u>IT-WEAK SURFACE blow died after 20 min</u>		
<u>ISI-NO blow back</u>		

Recovery — Total Feet <u>20'</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u>20'</u> Feet Of <u>mud</u>	%gas <u> </u>	%oil <u> </u>	%water <u>100%</u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u>	%oil <u> </u>	%water <u> </u> %mud <u> </u>
BHT <u>108</u> °F Gravity <u> </u>	*API D@ <u> </u>	*F Corrected Gravity <u> </u>	*API <u> </u>
RW <u> </u> @ <u> </u> °F	Chlorides <u> </u> ppm	Recovery <u> </u>	Chlorides <u> </u> ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2315</u>	Alpine <u>3026</u>	PSI Recorder No. <u>3026</u>	T-On Location <u>16:30</u>
(B) First Initial Flow Pressure	<u>16</u>	PSI (depth) <u>4785'</u>	T-Started <u>18:00</u>	
(C) First Final Flow Pressure	<u>19</u>	PSI Recorder No. <u>13637</u>	T-Open <u>20:45</u>	
(D) Initial Shut-In Pressure	<u>65</u>	PSI (depth) <u>4802'</u>	T-Pulled <u>23:15</u>	
(E) Second Initial Flow Pressure	<u>13</u>	PSI Recorder No. <u> </u>	T-Out <u>02:00</u>	
(F) Second Final Flow Pressure	<u>18</u>	PSI (depth) <u> </u>	T-Off Location <u> </u>	
(G) Final Shut-in Pressure	<u>41</u>	PSI Initial Opening <u>10</u>	Test ☒ CONVENTIONAL	<u>800</u>
(Q) Final Hydrostatic Mud	<u>2281</u>	PSI Initial Shut-in <u>50</u>	Jars ☒	<u>200</u>
		Final Flow <u>30</u>	Safety Joint ☒	<u>50</u>
		Final Shut-in <u>600</u>	Straddle <u> </u>	
			Circ. Sub <u> </u>	
			Sampler <u> </u>	
			Extra Packer <u> </u>	
			Elec. Rec. ☒	<u>150</u>
			Mileage ☒ \$50.00	<u>50</u>
			Other <u>30 min std by</u>	<u>15</u>
			TOTAL PRICE \$1265.00	<u>\$1265</u>

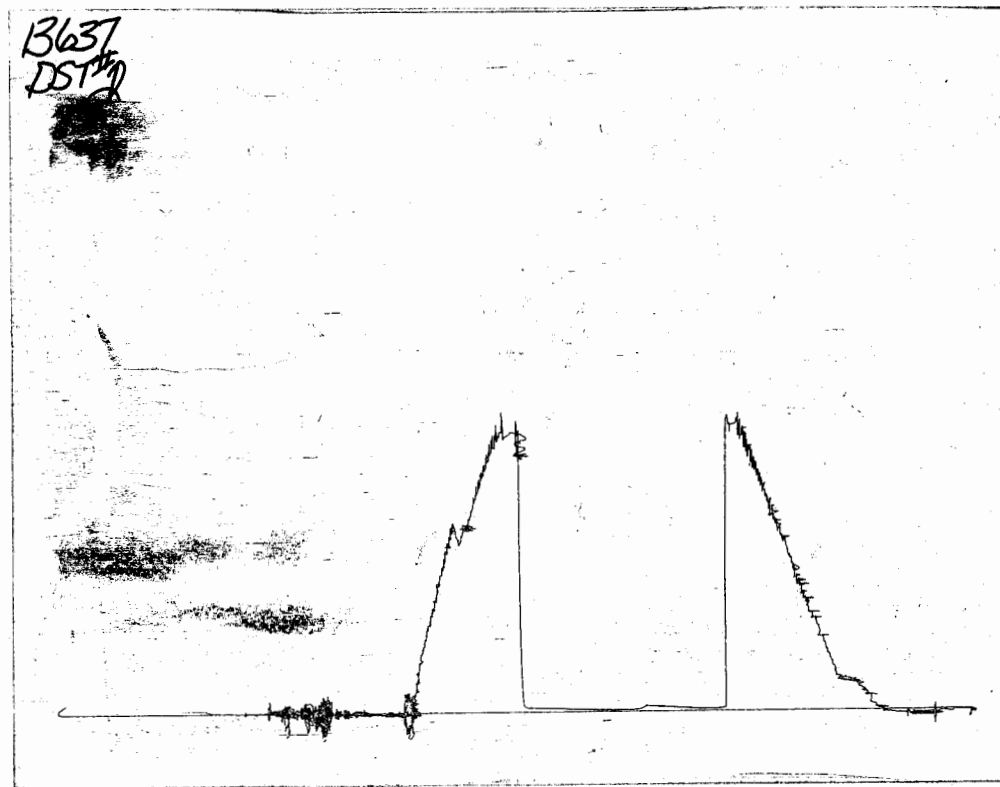
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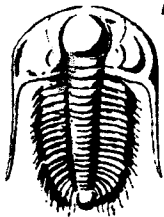
Approved By Brad Pine

Our Representative Blake L Wallace

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14481

Test Ticket

Well Name & No. <u>Barnhardt A#1</u>	Test No. <u>3</u>	Date <u>12-8-02</u>
Company <u>Daystar Petro. Inc.</u>	Zone Tested <u>Marmaton</u>	
Address <u>1321 W 93rd North Valley Center KS 67147</u>	Elevation <u>2805'</u>	KB <u>2793'</u> GL
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Bio A#2</u>	Est. Ft. of Pay <u>10'</u> Por. <u>12.5</u> %
Location: Sec. <u>23</u> Twp. <u>31</u> Rge. <u>31</u>	Co. <u>Seaward</u>	State <u>KS</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
	Evaluation (Y, N) _____	

Interval Tested <u>4932'-5012'</u>	Initial Str Wt./Lbs. <u>78000</u>	Unseated Str Wt./Lbs. <u>79000</u>
Anchor Length <u>80'</u>	Wt. Set Lbs. <u>22000</u>	Wt. Pulled Loose/Lbs. <u>85000</u>
Top Packer Depth <u>4927'</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>4932'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>5012'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>627'</u>
Mud Wt. <u>9.1</u> LCM <u>3</u> Vis. <u>49</u> WL <u>8.0</u>	Drill Pipe Size <u>4.510</u>	Ft. Run <u>4306'</u>

Blow Description IT-Strong blow BOB 20 sec.

ISI-No blow back

IT-Strong blow BOB AS SOON AS OPEN GTS 30 sec.

ISI-No blow back

Recovery — Total Feet <u>309'</u>	GIP _____	Ft. in DC _____	Ft. in DP _____
Rec. <u>123'</u>	Feet Of <u>SGC mud</u>	10 %gas <u>10%</u> oil	%water <u>90</u> %mud
Rec. <u>93'</u>	Feet Of <u>GL, OC, LR, mud</u>	50 %gas <u>20%</u> oil	10 %water <u>20</u> %mud
Rec. <u>93'</u>	Feet Of <u>GL, OC, water, mud</u>	40 %gas <u>50%</u> oil	5 %water <u>5</u> %mud
Rec. _____	Feet Of _____	%gas _____ %oil	%water _____ %mud
Rec. _____	Feet Of _____	%gas _____ %oil	%water _____ %mud

BHT 117 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW .579 @ 71 °F Chlorides 11,000 ppm Recovery Chlorides 3400 ppm System

(A) Initial Hydrostatic Mud	AK-1 <u>2506</u>	Alpine PSI Recorder No. <u>3026</u>	T-On Location <u>2400</u>
(B) First Initial Flow Pressure	<u>65</u>	PSI (depth) <u>4935'</u>	T-Started <u>01:30</u>
(C) First Final Flow Pressure	<u>68</u>	PSI Recorder No. <u>131237</u>	T-Open <u>05:20</u>
(D) Initial Shut-In Pressure	<u>1588</u>	PSI (depth) <u>4931'</u>	T-Pulled <u>08:50</u>
(E) Second Initial Flow Pressure	<u>57</u>	PSI Recorder No. _____	T-Out <u>11:30</u>
(F) Second Final Flow Pressure	<u>178</u>	PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1467</u>	PSI Initial Opening <u>10</u>	Test ☒ CONVENTIONAL <u>90</u>
(Q) Final Hydrostatic Mud	<u>2420</u>	PSI Initial Shut-in <u>50</u>	Jars ☒ <u>200</u>
		Final Flow <u>60</u>	Safety Joint ☒ <u>50</u>
		Final Shut-in <u>90</u>	Straddle _____
			Circ. Sub _____
			Sampler _____
			Extra Packer _____
			Elec. Rec. ☒ <u>150.00</u>
			Mileage <u>150.00</u>
			Other <u>1 1/2 hrs SLD by</u>
			TOTAL PRICE \$ <u>1395.00</u>

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Approved By Brad Rine

Our Representative Blake L. Waller

150
50
1350
45
#1395



GAS VOLUME REPORT

Barnhardt A #1

OPERATOR

WELL NAME AND NO.

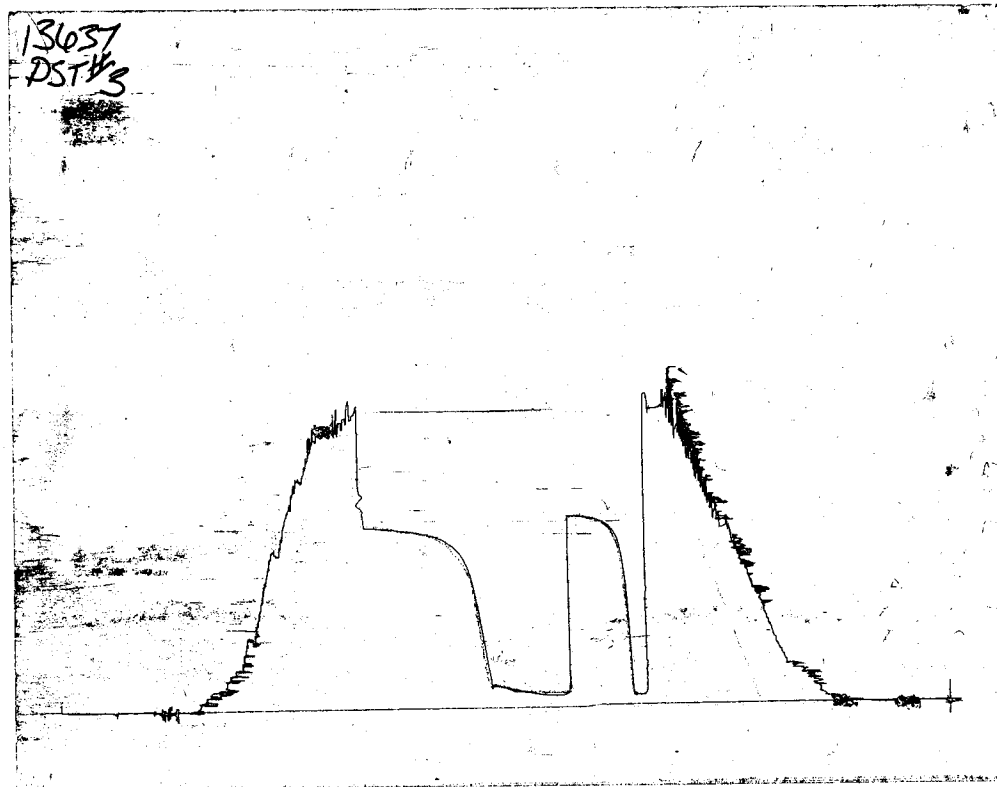
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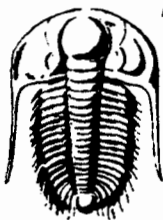
DST NO

Remarks: GAS will burn

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14482

Test Ticket

Well Name & No.	<u>BARNHARDT A #1</u>		Test No.	<u>4</u>	Date	<u>12-10-02</u>
Company	<u>DAY-STAR Petro Inc.</u>		Zone Tested	<u>MARMATON / PAWNEE</u>		
Address	<u>1301 W 93RD NORTH VALLEY CENTER KS 67147</u>		Elevation	<u>2805'</u>	KB	<u>2793'</u> GL
Co. Rep / Geo.	<u>BRAD RINE</u>	Cont.	<u>Big A Rig #2</u>	Est. Ft. of Pay	___	Por. ___ %
Location: Sec.	<u>23</u>	Twp.	<u>31</u>	Rge.	<u>31</u>	Co. <u>SEWARD</u> State <u>KS</u>
No. of Copies	___		Distribution Sheet (Y, N)	___		Turnkey (Y, N) ___ Evaluation (Y, N) ___

Interval Tested	<u>5053'-5138'</u>	Initial Str Wt/Lbs.	<u>80000</u>	Unseated Str Wt/Lbs.	<u>82000</u>
Anchor Length	<u>85'</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>90000</u>
Top Packer Depth	<u>5047'</u>	Tool Weight	<u>1800</u>		
Bottom Packer Depth	<u>5053'</u>	Hole Size — 7 7/8"	☒	Rubber Size — 6 3/4"	☒
Total Depth	<u>5138'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>627'</u>
Mud Wt.	<u>9.3</u> LCM <u>2</u> Vis. <u>56</u> WL <u>7.2</u>	Drill Pipe Size	<u>4.510</u>	Ft. Run	<u>4429'</u>
Blow Description	<u>17-Strong blow BOB 20 SEC 675 L/min</u> <u>ISI-blow back thru out</u> <u>17-Strong blow BOBASAO (to small to gauge) (after 40 min built to 20 PSI for 8 min died off)</u> <u>ISI-blow back thru out</u>				

Recovery — Total Feet	<u>1735'</u>	GIP	___	Ft. in DC	___	Ft. in DP	___
Rec.	<u>279'</u>	Feet Of	<u>GC, O, I</u>	40% gas	40% oil	% water	% mud
Rec.	<u>729'</u>	Feet Of	<u>GC, OC, mud</u>	50% gas	40% oil	% water	10% mud
Rec.	<u>727'</u>	Feet Of	<u>GC, OC, mud</u>	60% gas	10% oil	% water	30% mud
Rec.	___	Feet Of	___	% gas	% oil	% water	% mud
Rec.	___	Feet Of	___	% gas	% oil	% water	% mud
BHT	<u>121</u>	°F Gravity	<u>37</u>	°API D@	<u>58</u>	°F Corrected Gravity	<u>36</u>
RW	___	@	___	°F Chlorides	___	ppm Recovery	Chlorides <u>3400</u> ppm System

(A) Initial Hydrostatic Mud	<u>2506</u>	AK-1	Alpine	PSI Recorder No.	<u>3026</u>	T-On Location	<u>02:00</u>
(B) First Initial Flow Pressure	<u>502</u>			PSI (depth)	<u>5055'</u>	T-Started	<u>03:00</u>
(C) First Final Flow Pressure	<u>187</u>			PSI Recorder No.	<u>13637</u>	T-Open	<u>07:00</u>
(D) Initial Shut-In Pressure	<u>1502</u>			PSI (depth)	___	T-Pulled	<u>12:30</u>
(E) Second Initial Flow Pressure	<u>244</u>			PSI Recorder No.	___	T-Out	<u>17:00</u>
(F) Second Final Flow Pressure	<u>474</u>			PSI (depth)	___	T-Off Location	___
(G) Final Shut-in Pressure	<u>1495</u>			PSI Initial Opening	<u>10</u>	Test	<u>✓ CONVENTIONAL 900</u>
(Q) Final Hydrostatic Mud	<u>2518</u>			PSI Initial Shut-in	<u>50</u>	Jars	<u>✓ 200</u>
				Final Flow	<u>90</u>	Safety Joint	<u>✓ 50</u>
				Final Shut-in	<u>180</u>	Straddle	___
						Circ. Sub	___
						Sampler	___
						Extra Packer	___
						Elec. Rec.	<u>✓ 150</u>
						Mileage	<u>✓ 150.00 50</u>
						Other	<u>5 hrs std by 1350</u>
						TOTAL PRICE \$	<u>11430.00 120</u>

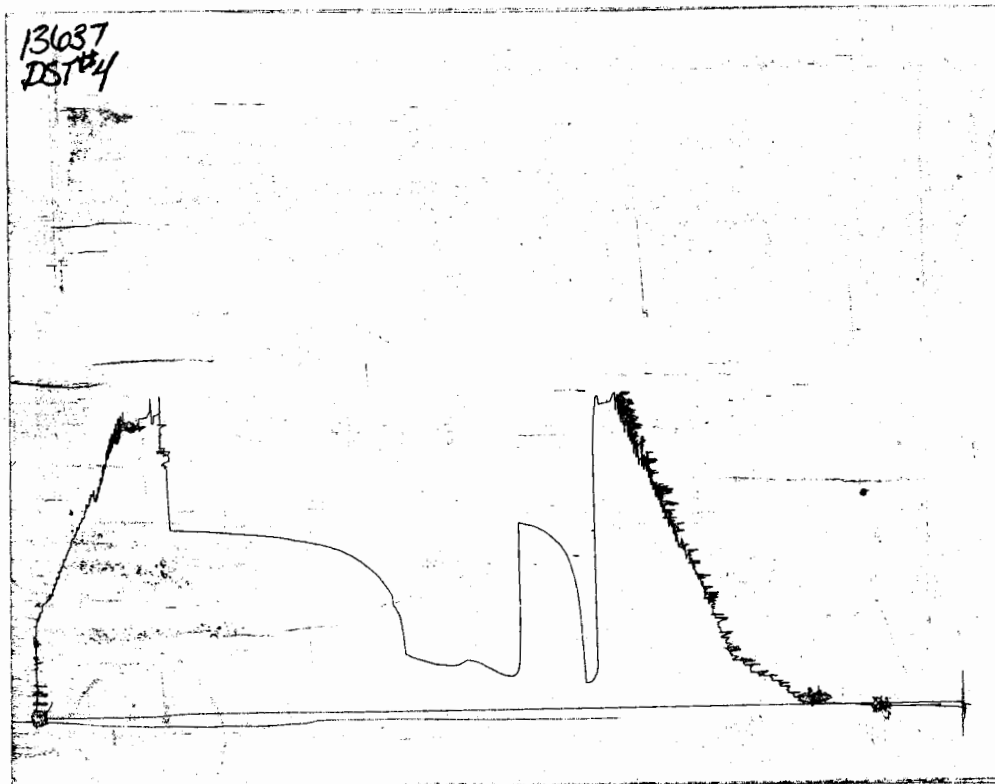
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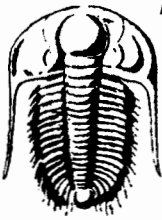
Approved By Brad Rine
Our Representative Bob L. Walker

150
50
1350
120
60

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14483

Test Ticket

Well Name & No. <u>Barnhardt A #1</u>	Test No. <u>5</u>	Date <u>12-11-02</u>
Company <u>Daystar Petroleum Inc.</u>	Zone Tested <u>Cherokee</u>	
Address <u>1321 W 93rd North Valley Center KS 67147</u>	Elevation <u>2805'</u>	KB <u>2993'</u> GL
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Big A Rig #2</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>23</u> Twp. <u>31</u> Rge. <u>31</u>	Co. <u>Seward</u>	State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5227'-5377'</u>	Initial Str Wt./Lbs. <u>80000</u>	Unseated Str Wt./Lbs. <u>84000</u>
Anchor Length <u>150'</u>	Wt. Set Lbs. <u>20000</u>	Wt. Pulled Loose/Lbs. <u>10000</u>
Top Packer Depth <u>5222'</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>5227'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>5377'</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>627'</u>
Mud Wt. <u>9.2</u> LCM <u>2 1/2</u> Vis. <u>58</u> WL <u>8.0</u>	Drill Pipe Size <u>4.5 X-O</u>	Ft. Run <u>4584'</u>
Blow Description <u>IZ-Strong blow BOB 5 min</u>		
<u>ISI- no blow back built to 1/2 inch</u>		
<u>IZ-Strong blow BOB AS SOON AS OPEN 675 07 min</u>		
<u>ISI- no blow back</u>		

Recovery — Total Feet <u>113'</u>	GIP <u> </u>	Ft. in DC <u> </u>	Ft. in DP <u> </u>
Rec. <u>113'</u>	Feet Of <u>SGC, mud</u>	5 %gas <u>100%</u> %oil	%water <u>95%</u> %mud
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil	%water <u> </u> %mud
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil	%water <u> </u> %mud
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil	%water <u> </u> %mud
Rec. <u> </u>	Feet Of <u> </u>	%gas <u> </u> %oil	%water <u> </u> %mud
BHT <u>124</u>	°F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API
RW <u> </u>	@ <u> </u> °F	Chlorides <u> </u> ppm Recovery	Chlorides <u>3000</u> ppm System

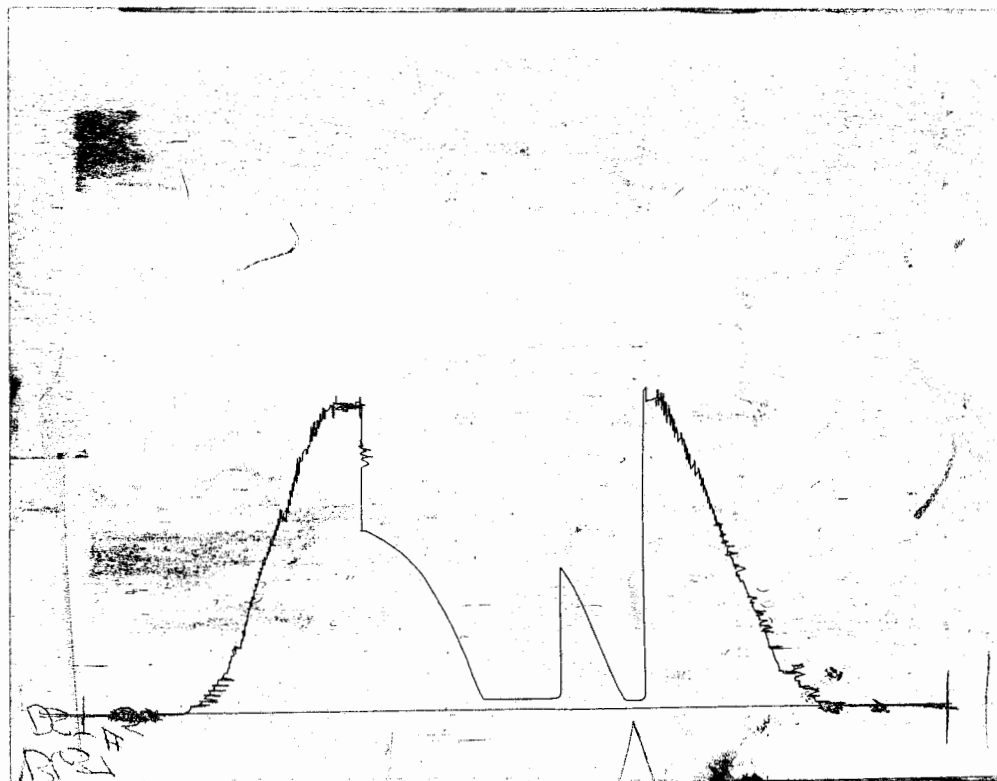
(A) Initial Hydrostatic Mud	AK-1 <u>2603</u>	Alpine	PSI Recorder No. <u>3026</u>	T-On Location <u>16:00</u>
(B) First Initial Flow Pressure	<u>80</u>	PSI (depth)	<u>5229'</u>	T-Started <u>16:30</u>
(C) First Final Flow Pressure	<u>79</u>	PSI Recorder No.	<u>13637</u>	T-Open <u>20:00</u>
(D) Initial Shut-In Pressure	<u>1205</u>	PSI (depth)	<u>5339'</u>	T-Pulled <u>23:30</u>
(E) Second Initial Flow Pressure	<u>101</u>	PSI Recorder No.	<u> </u>	T-Out <u>02:30</u>
(F) Second Final Flow Pressure	<u>80</u>	PSI (depth)	<u> </u>	T-Off Location <u> </u>
(G) Final Shut-in Pressure	<u>1485</u>	PSI Initial Opening	<u>10</u>	Test ☒ <u>CONVENTIONAL</u> <u>900</u>
(Q) Final Hydrostatic Mud	<u>2531</u>	PSI Initial Shut-in	<u>50</u>	Jars ☒ <u>200</u>
		Final Flow	<u>60</u>	Safety Joint ☒ <u>50</u>
		Final Shut-in	<u>90</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. ☒ <u>150</u>
				Mileage ☒ <u>\$50.00</u> <u>50</u>
				Other <u>1 hr sig by</u> <u>1350</u>
				<u>30</u>
				TOTAL PRICE \$ <u>1380.00</u> <u>91380</u>

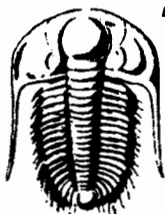
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Approved By Brad Rine
Our Representative Blake Walker

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14437

Test Ticket

Well Name & No. #1 Barnhardt "A" Test No. 6 Date 12-12-02
 Company Daystar Petroleum, Inc. Zone Tested Marrow / U. Chester
 Address 1321 W. 93rd N., Valley Center, KS. 67147 Elevation 2803 KB 2793 GL
 Co. Rep / Geo. Brad Rine Cont. Big A #2 Est. Ft. of Pay Por. %
 Location: Sec. 23 Twp. 31 S Rge. 31 W Co. Seward State KS
 No. of Copies Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 5365 - 5515 Initial Str Wt./Lbs. 88,000 Unseated Str Wt./Lbs. 88,000
 Anchor Length 150 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 94,000
 Top Packer Depth 5360 Tool Weight 1800
 Bottom Packer Depth 5365 Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 5515 Wt. Pipe Run N/A Drill Collar Run 627
 Mud Wt. 9.1 LCM 2.5 Vis. 57 WL 8.0 Drill Pipe Size 4 1/2 X 0 Ft. Run 4740
 Blow Description FF- Strong Blow B.O.B in 30 sec. G.T.S. 2 min
ISI- No Blow
FF- Strong Blow B.O.B immediately Gauging Gas
FSI- No Blow

Recovery — Total Feet 0 GIP 5367 Ft. in DC Ft. in DP

Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud
Rec.	Feet Of	%gas	%oil	%water	%mud

 BHT 125.4 °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 3500 ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>21045</u>	<u>21045</u>	<u>3307</u>	<u>16:45</u>
(B) First Initial Flow Pressure	<u>1659</u>	<u>1659</u>	(depth) <u>5360</u>	T-Started <u>18:40</u>
(C) First Final Flow Pressure	<u>1649</u>	<u>1649</u>	PSI Recorder No. <u>13362</u>	T-Open <u>21:20</u>
(D) Initial Shut-In Pressure	<u>1744</u>	<u>1744</u>	PSI (depth) <u>5512</u>	T-Pulled <u>00:45</u>
(E) Second Initial Flow Pressure	<u>16601</u>	<u>16601</u>	PSI Recorder No. <u> </u>	T-Out <u>03:35</u>
(F) Second Final Flow Pressure	<u>1679</u>	<u>1679</u>	PSI (depth) <u> </u>	T-Off Location <u>04:00</u>
(G) Final Shut-in Pressure	<u>1748</u>	<u>1748</u>	PSI Initial Opening <u>5</u>	Test ☒ Conventional <u>900</u>
(Q) Final Hydrostatic Mud	<u>2592</u>	<u>2592</u>	PSI Initial Shut-in <u>55</u>	Jars ☒ <u>200</u>
			Final Flow <u>25</u>	Safety Joint ☒ <u>50</u>
			Final Shut-in <u>120</u>	Straddle <u> </u>
				Circ. Sub <u> </u>
				Sampler <u> </u>
				Extra Packer <u> </u>
				Elec. Rec. ☒ <u>150</u>
				Mileage ☒ <u>#50</u> <u>1350</u>
				Other <u>Std. By #22.50</u> <u>30</u>
				TOTAL PRICE \$ <u>1372.50</u> <u>1380</u>

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Approved By Brad Rine
 Our Representative Shul Vef

1 hr



GAS VOLUME REPORT

Daystar Petroleum, Inc.
OPERATOR

#1 Barnhardt "A"

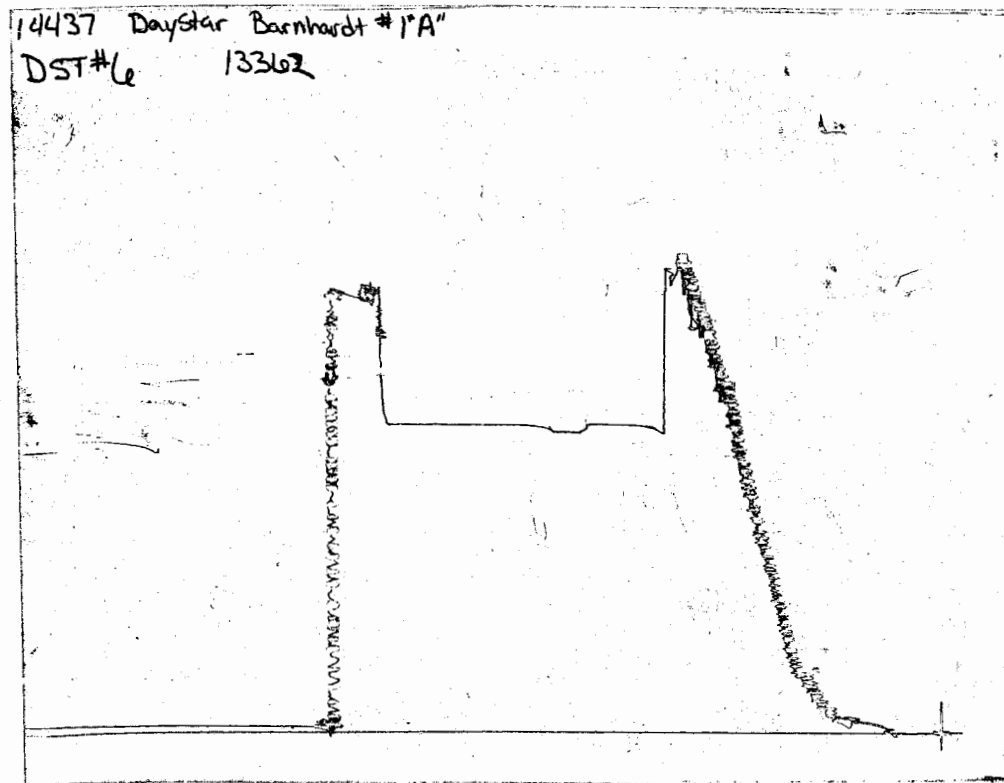
6
DST NO

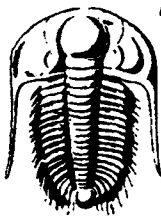
Remarks:

G.T.S. - 2 min

CHART PAGE

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TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 14438

Test Ticket

Well Name & No. <u>#1 Barnhardt "A"</u>	Test No. <u>7</u>	Date <u>12-14-02</u>
Company <u>Daystar Petroleum, Inc.</u>	Zone Tested <u>St. Louis</u>	
Address <u>1321 W. 93rd N. Valley Center, KS. 67147</u>	Elevation <u>2803</u>	KB <u>2793</u> GL
Co. Rep / Geo. <u>Brad Rine</u>	Cont. <u>Big A #2</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>23</u> Twp. <u>31S</u> Rge. <u>31W</u>	Co. <u>Seward</u>	State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5750 - 5865</u>	Initial Str Wt./Lbs. <u>88,000</u>	Unseated Str Wt./Lbs. <u>90,000</u>
Anchor Length <u>115</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>96,000</u>
Top Packer Depth <u>5745</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>5750</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>5865</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>627</u>
Mud Wt. <u>9.2</u> LCM <u>4#</u> Vis. <u>50</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XO</u>	Ft. Run <u>5114</u>
Blow Description <u>IF-Weak Blow</u> <u>Surface Blow</u>		
<u>ISI-No Blow Back</u>		
<u>FF-Fair Blow</u> <u>11 in. decreased to 3 in.</u>		
<u>FST-No Blow Back</u>		

Recovery — Total Feet <u>370</u>	GIP <u> </u>	Ft. in DC <u>370</u>	Ft. in DP <u> </u>
Rec. <u>370</u> Feet Of <u>Drilling Mud</u>	%gas <u> </u> %oil <u> </u> %water <u>100</u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
Rec. <u> </u> Feet Of <u> </u>	%gas <u> </u> %oil <u> </u> %water <u> </u> %mud <u> </u>		
BHT <u>126.6</u> °F Gravity <u> </u> °API D@ <u> </u>	°F Corrected Gravity <u> </u> °API <u> </u>		
RW <u>1.465</u> @ <u>34.4</u> °F Chlorides <u>9000</u> ppm Recovery	Chlorides <u>3,000</u> ppm System		

(A) Initial Hydrostatic Mud	AK-1 <u>2867</u> Alpine	PSI Recorder No. <u>3307</u>	T-On Location <u>20:00</u>
(B) First Initial Flow Pressure	<u>24</u>	PSI (depth) <u>5751</u>	T-Started <u>21:15</u>
(C) First Final Flow Pressure	<u>23</u>	PSI Recorder No. <u>6246</u>	T-Open <u>00:25</u>
(D) Initial Shut-In Pressure	<u>2878</u>	PSI (depth) <u>5869</u>	T-Pulled <u>04:25</u>
(E) Second Initial Flow Pressure	<u>213</u>	PSI Recorder No. <u> </u>	T-Out <u>07:30</u>
(F) Second Final Flow Pressure	<u>213</u>	PSI (depth) <u> </u>	T-Off Location <u>08:15</u>
(G) Final Shut-in Pressure	<u>584</u>	PSI Initial Opening <u>5</u>	Test ☒ Conventional <u>900</u>
(Q) Final Hydrostatic Mud	<u>2805</u>	PSI Initial Shut-in <u>55</u>	Jars ☒ <u>200</u>
		Final Flow <u>60</u>	Safety Joint ☒ <u>50</u>
		Final Shut-in <u>120</u>	Straddle <u> </u>
			Circ. Sub <u> </u>
			Sampler <u> </u>
			Extra Packer <u> </u>
			Elec. Rec. ☒ <u>150</u>
			Mileage ☒ <u>\$50</u> <u>1350</u>
			Other <u>Std. By \$45</u> <u>1395</u>
			TOTAL PRICE \$ <u>1395</u>

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Approved By Brad Rine

Our Representative SPD VO

CHART PAGE

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