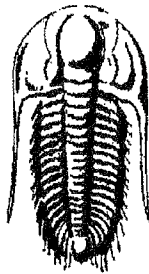


15-095-22074-0000



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

20 29S 6W Kingman KS

Donald #1

Start Date: 2007.01.25 @ 13:08:47

End Date: 2007.01.25 @ 21:39:17

Job Ticket #: 27057 DST #: 1

RECEIVED
KANSAS CORPORATION COMMISSION

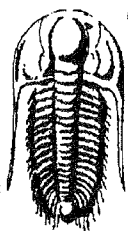
JAN 31 2008

CONSERVATION DIVISION
WICHITA, KS

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Messenger Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Donald #1

20 29S 6W Kingman KS

Job Ticket: 27057

DST#: 1

Test Start: 2007.01.25 @ 13:08:47

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:00:17

Time Test Ended: 21:39:17

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4137.00 ft (KB) To 4157.00 ft (KB) (TVD)**

Total Depth: 4157.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1569.00 ft (KB)

1560.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167

Inside

Press@RunDepth: 131.70 psig @ 4138.00 ft (KB)

Start Date: 2007.01.25

End Date:

2007.01.25

Capacity: 7000.00 psig

Last Calib.: 2007.01.25

Start Time: 13:08:52

End Time:

21:39:16

Time On Btm: 2007.01.25 @ 15:59:32

Time Off Btm: 2007.01.25 @ 19:05:16

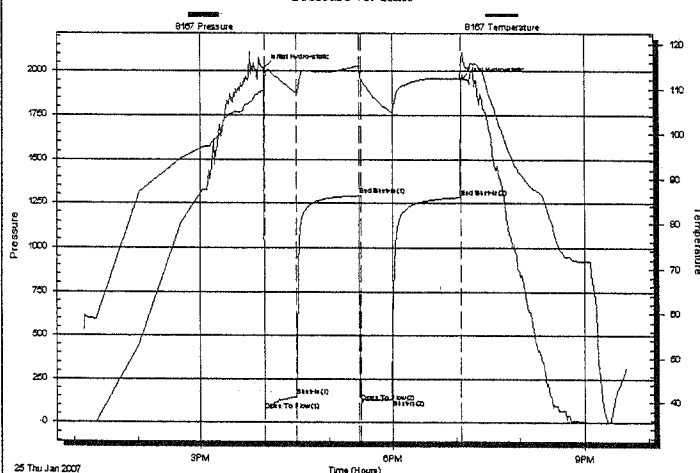
TEST COMMENT: IF Strong blow GTS in 6 mins. (see gas flow report)

ISI Weak blow 1/4 "

FF Strong blow (see gas flow report)

FSI Weak blow 1/2 "

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.46	109.56	Initial Hydro-static
1	68.48	111.72	Open To Flow (1)
31	148.36	108.99	Shut-In (1)
89	1293.24	115.27	End Shut-In (1)
91	119.43	112.24	Open To Flow (2)
121	131.70	104.67	Shut-In (2)
186	1283.55	112.37	End Shut-In (2)
186	1948.78	115.41	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
185.00	GCMW 8%G 40%M 52%W Rw .25 OHMS 0.91' deg	
35.00	GCM 17%G 83%M	0.22

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	24.00	259.04
Last Gas Rate	0.75	22.00	568.56
Max. Gas Rate	0.50	54.00	461.41



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

Donald #1

525 S Main
Kingman KS 67068

20 29S 6W Kingman KS

Job Ticket: 27057

DST#: 1

ATTN: Jon Messenger

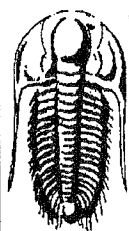
Test Start: 2007.01.25 @ 13:08:47

Tool Information

Drill Pipe:	Length: 3922.00 ft	Diameter: 3.80 inches	Volume: 55.02 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	24000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose:	82000.00 lb
		Total Volume:	56.08 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	74000.00 lb
Depth to Top Packer:	4137.00 ft			Final	74000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	40.00 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			4118.00	
Shut In Tool	5.00			4123.00	
Hydraulic tool	5.00			4128.00	
Packer	4.00			4132.00	20.00 Bottom Of Top Packer
Packer	5.00			4137.00	
Stubb	1.00			4138.00	
Recorder	0.00	8167	Inside	4138.00	
Perforations	14.00			4152.00	
Recorder	0.00	11019	Outside	4152.00	
Bullnose	5.00			4157.00	20.00 Bottom Packers & Anchor
Total Tool Length:		40.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

Donald #1

525 S Main
Kingman KS 67068

20 29S 6W Kingman KS

Job Ticket: 27057

DST#: 1

ATTN: Jon Messenger

Test Start: 2007.01.25 @ 13:08:47

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 11.99 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

47000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
185.00	GCMW 8%G 40%M 52%W Rw .25 OHMS @4'	0.910
35.00	GCM 17%G 83%M	0.218

Total Length: 220.00 ft

Total Volume: 1.128 bbl

Num Fluid Samples: 0

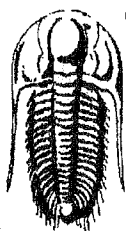
Num Gas Bombs: 1

Serial #: gp-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Messenger Petroleum Inc

Donald #1

525 S Main
Kingman KS 67068

20 29S 6W Kingman KS

Job Ticket: 27057

DST#: 1

ATTN: Jon Messenger

Test Start: 2007.01.25 @ 13:08:47

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)
1	10	0.50	24.00	259.04
1	20	0.50	44.00	393.95
1	30	0.50	54.00	461.41
2	10	0.75	22.00	568.56
2	20	0.75	22.00	568.56
2	30	0.75	22.00	568.56

Serial #: 8167

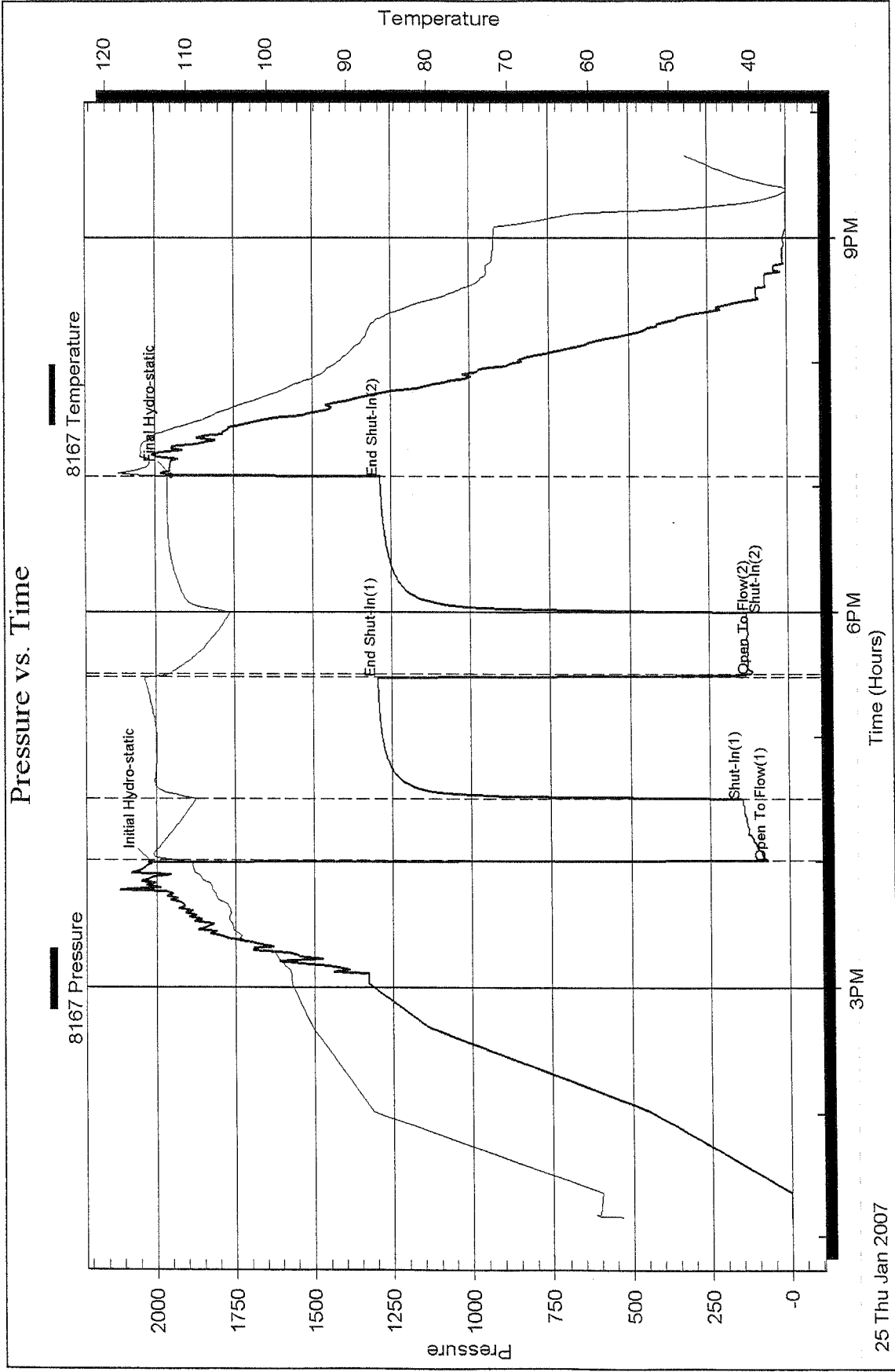
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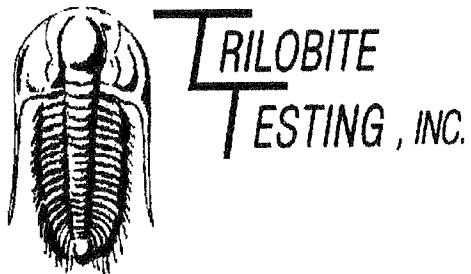
Messenger Petroleum Inc

20 29S6W Kingman KS

DST Test Number: 1

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Messenger Petroleum Inc**

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

20 29S 6W Kingman KS

Donald #1

Start Date: 2007.01.26 @ 05:41:34

End Date: 2007.01.26 @ 14:11:49

Job Ticket #: 27058 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

Messenger Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Donald #1

20 29S 6W Kingman KS

Job Ticket: 27058

DST#: 2

Test Start: 2007.01.26 @ 05:41:34

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:16:19

Time Test Ended: 14:11:49

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **4157.00 ft (KB) To 4177.00 ft (KB) (TVD)**

Total Depth: 4177.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1569.00 ft (KB)

1560.00 ft (CF)

KB to GR/CF: 9.00 ft

Serial #: 8167

Inside

Press@RunDepth: 76.04 psig @ 4158.00 ft (KB)

Start Date: 2007.01.26

End Date:

2007.01.26

Capacity: 7000.00 psig

Last Calib.: 2007.01.26

Start Time: 05:41:39

End Time:

14:11:48

Time On Btm: 2007.01.26 @ 08:15:34

Time Off Btm: 2007.01.26 @ 11:26:03

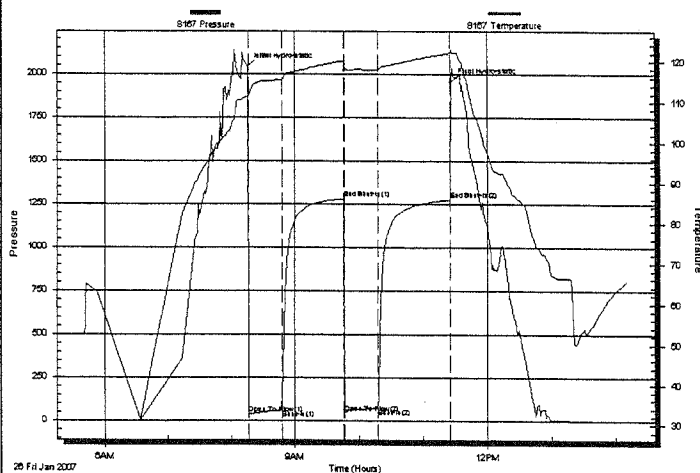
TEST COMMENT: IF Strong blow GTS in 9 mins. (see gas flow report)

ISI Weak blow 1/2 "

FF Strong blow (sae gas flow report)

FSI Weak blow 1/2 - 3/4 "

Pressure vs. Time



PRESSURE SUMMARY

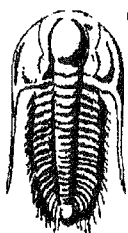
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2039.49	111.08	Initial Hydro-static
1	40.60	111.32	Open To Flow (1)
32	61.93	115.53	Shut-In(1)
90	1280.91	120.18	End Shut-In(1)
91	45.36	119.20	Open To Flow (2)
123	76.04	117.89	Shut-In(2)
190	1275.07	122.07	End Shut-In(2)
191	1952.92	122.82	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OCMW 11%O 39%M 50%W Rw .15 OHM0.5956 deg	
85.00	O&GCWM 3%O 32%G 32%W 37%M	0.42

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	5.00	71.07
Last Gas Rate	0.38	11.00	93.05
Max. Gas Rate	0.38	13.00	100.37



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Messenger Petroleum Inc

525 S Main
Kingman KS 67068

ATTN: Jon Messenger

Donald #1

20 29S 6W Kingman KS

Job Ticket: 27058

DST#: 2

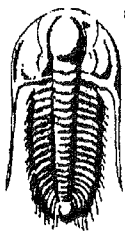
Test Start: 2007.01.26 @ 05:41:34

Tool Information

Drill Pipe:	Length: 3953.00 ft	Diameter: 3.80 inches	Volume: 55.45 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	26000.00 lb
Drill Collar:	Length: 215.00 ft	Diameter: 2.25 inches	Volume: 1.06 bbl	Weight to Pull Loose:	85000.00 lb
		Total Volume:	56.51 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	75000.00 lb
Depth to Top Packer:	4157.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	40.00 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			4138.00	
Shut In Tool	5.00			4143.00	
Hydraulic tool	5.00			4148.00	
Packer	4.00			4152.00	20.00 Bottom Of Top Packer
Packer	5.00			4157.00	
Stubb	1.00			4158.00	
Recorder	0.00	8167	Inside	4158.00	
Perforations	14.00			4172.00	
Recorder	0.00	11019	Outside	4172.00	
Bullnose	5.00			4177.00	20.00 Bottom Packers & Anchor
Total Tool Length:		40.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Messenger Petroleum Inc

Donald #1

525 S Main
Kingman KS 67068

20 29S 6W Kingman KS

Job Ticket: 27058

DST#: 2

ATTN: Jon Messenger

Test Start: 2007.01.26 @ 05:41:34

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 11.99 in³

Resistivity: 0.00 ohm.m

Salinity: 8000.00 ppm

Filter Cake: 0.20 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 64000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OCMW 11%O 39%M 50%W Rw .15 OHMS@	0.590
85.00	O&GCWM 3%O 32%G 32%W 37%M	0.418

Total Length: 205.00 ft

Total Volume: 1.008 bbl

Num Fluid Samples: 0

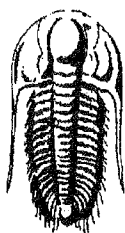
Num Gas Bombs: 1

Serial #: gp-2

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

GAS RATES

Messenger Petroleum Inc

Donald #1

525 S Main
Kingman KS 67068

20 29S 6W Kingman KS

Job Ticket: 27058

DST#: 2

ATTN: Jon Messenger

Test Start: 2007.01.26 @ 05:41:34

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)
1	10	0.38	5.00	71.07
1	10	0.38	5.00	71.07
1	20	0.38	7.00	78.39
1	30	0.38	7.50	80.23
2	10	0.38	13.00	100.37
2	20	0.38	11.00	93.05

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