

24-29-08W

15-095-22141



DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil & Gas LLC**

10286 SW 170th Ave
Nashville KS 67112

ATTN: Jon Messenger

24 29S 8W Kingman KS

Messenger #1-24

Start Date: 2008.04.04 @ 18:41:07

End Date: 2008.04.05 @ 01:34:37

Job Ticket #: 31235 DST #: 1

*C W2 8W NE
1980 FNL 2310 FEL*

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

Wildcat Oil & Gas LLC

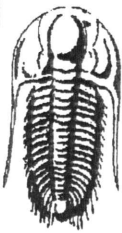
Messenger #1-24

24 29S 8W Kingman KS

DST # 1

Toronto

2008.04.04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Wildcat Oil & Gas LLC

10286 SW 170th Ave
Nashville KS 67112

ATTN: Jon Messenger

Messenger #1-24

24 29S 8W Kingman KS

Job Ticket: 31235

DST#: 1

Test Start: 2008.04.04 @ 18:41:07

GENERAL INFORMATION:

Formation: **Toronto**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:27:37

Time Test Ended: 01:34:37

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3159.00 ft (KB) To 3195.00 ft (KB) (TVD)**

Total Depth: 3195.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1590.00 ft (KB)

1580.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8167

Inside

Press@RunDepth: 64.38 psig @ 3160.00 ft (KB)

Start Date: 2008.04.04

End Date:

2008.04.05

Capacity: 7000.00 psig

Last Calib.: 2008.04.05

Start Time: 18:41:08

End Time:

01:34:37

Time On Btm: 2008.04.04 @ 20:27:07

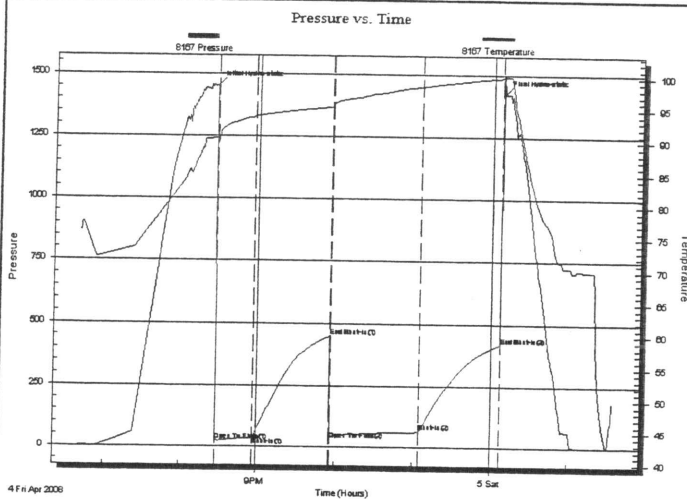
Time Off Btm: 2008.04.05 @ 00:08:22

TEST COMMENT: IF Strong blow BOB in 12 mins.

ISI No blow

FF Strong blow BOB in 4 1/2 mins.

FSI No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1450.38	90.41	Initial Hydro-static
1	22.18	89.79	Open To Flow (1)
30	37.55	93.85	Shut-In(1)
89	447.56	95.32	End Shut-In(1)
90	33.16	95.38	Open To Flow (2)
158	64.38	98.49	Shut-In(2)
220	416.99	99.90	End Shut-In(2)
222	1424.08	100.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud w/few O specs	0.59
0.00	430' of GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wildcat Oil & Gas LLC

Messenger #1-24

10286 SW 170th Ave
Nashville KS 67112

24 29S 8W Kingman KS

Job Ticket: 31235

DST#: 1

ATTN: Jon Messenger

Test Start: 2008.04.04 @ 18:41:07

Tool Information

Drill Pipe:	Length: 3022.00 ft	Diameter: 3.80 inches	Volume: 42.39 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: 23000.00 lb
Drill Collar:	Length: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 63000.00 lb
		Total Volume:	43.00 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 53000.00 lb
Depth to Top Packer:	3159.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	36.00 ft			
Tool Length:	64.00 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			3132.00	
Shut In Tool	5.00			3137.00	
Hydraulic tool	5.00			3142.00	
Jars	5.00			3147.00	
Safety Joint	3.00			3150.00	
Packer	4.00			3154.00	28.00 Bottom Of Top Packer
Packer	5.00			3159.00	
Stubb	1.00			3160.00	
Recorder	0.00	8167	Inside	3160.00	
Recorder	0.00	8357	Inside	3160.00	
Perforations	30.00			3190.00	
Bullnose	5.00			3195.00	36.00 Bottom Packers & Anchor

Total Tool Length: 64.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

Wildcat Oil & Gas LLC

Messenger #1-24

10286 SW 170th Ave
Nashville KS 67112

24 29S 8W Kingman KS

ATTN: Jon Messenger

Job Ticket: 31235

DST#: 1

Test Start: 2008.04.04 @ 18:41:07

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:

3000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
120.00	Mud w/few O specs	0.590
0.00	430' of GIP	0.000

Total Length: 120.00 ft Total Volume: 0.590 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

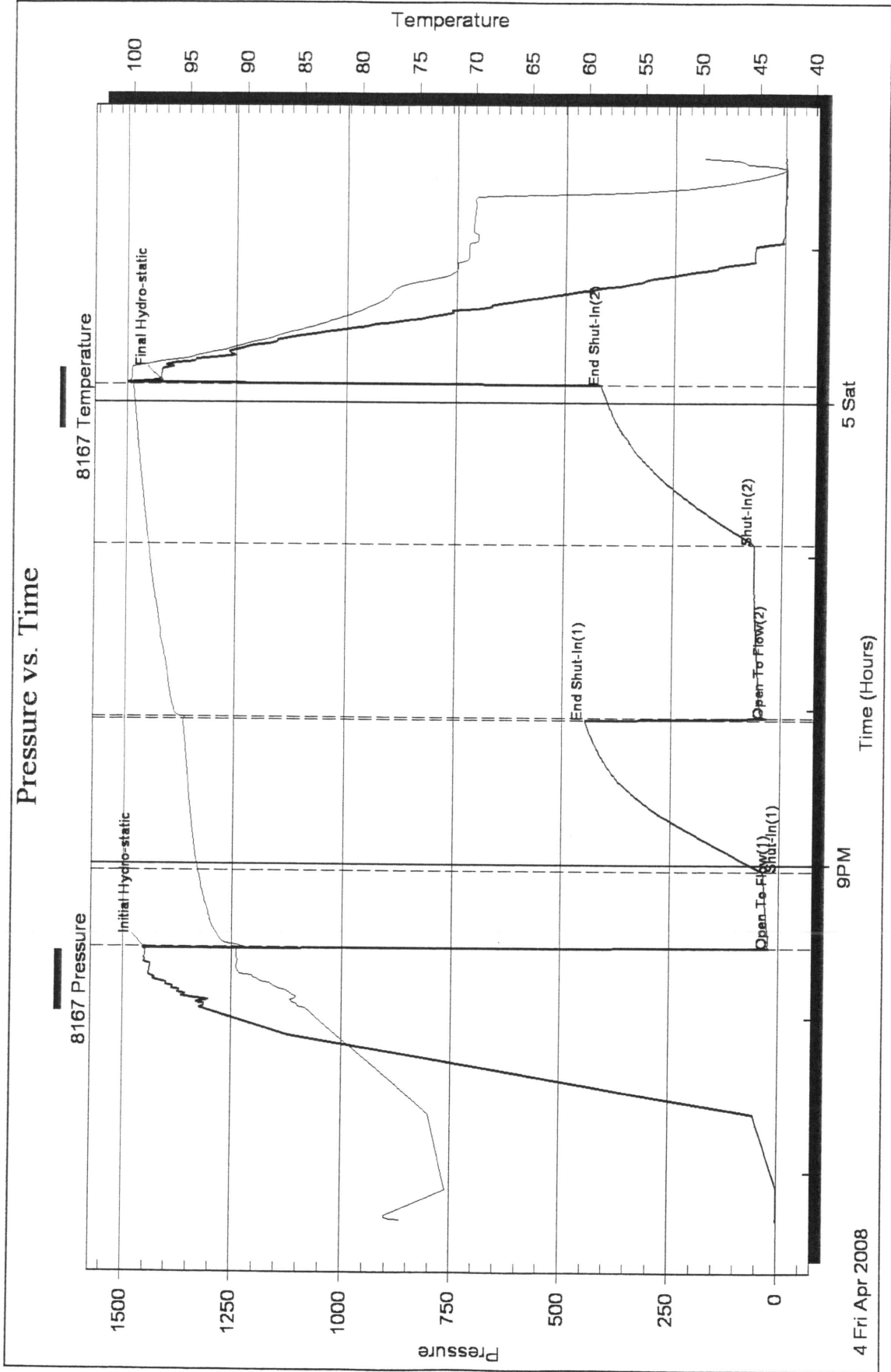
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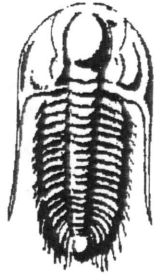
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil & Gas LLC**

10286 SW 170th Ave
Nashville KS 67112

ATTN: Jon Messenger

24 29S 8W Kingman KS

Messenger #1-24

Start Date: 2008.04.07 @ 11:12:12

End Date: 2008.04.07 @ 19:05:12

Job Ticket #: 31183 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Wildcat Oil & Gas LLC

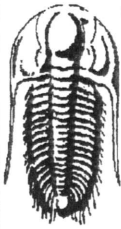
Messenger #1-24

24 29S 8W Kingman KS

DST # 2

Mississippi

2008.04.07



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Wildcat Oil & Gas LLC

10286 SW 170th Ave
Nashville KS 67112

ATTN: Jon Messenger

Messenger #1-24

24 29S 8W Kingman KS

Job Ticket: 31183

DST#: 2

Test Start: 2008.04.07 @ 11:12:12

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:28:42

Time Test Ended: 19:05:12

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

Interval: **4166.00 ft (KB) To 4180.00 ft (KB) (TVD)**

Reference Elevations: 1590.00 ft (KB)

Total Depth: 4180.00 ft (KB) (TVD)

1580.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 6798 Inside

Press@RunDepth: 81.05 psig @ 4167.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2008.04.07

End Date: 2008.04.07

Last Calib.: 2008.04.07

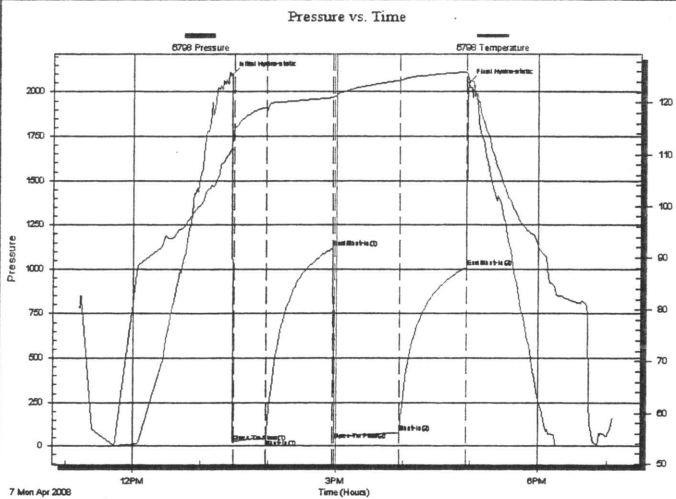
Start Time: 11:12:13

End Time: 19:05:12

Time On Btrn: 2008.04.07 @ 13:26:42

Time Off Btrn: 2008.04.07 @ 16:58:12

TEST COMMENT: IF Strong blow BOB in 10 secs.
ISI Weak surface blow
FF Strong blow BOB immediately GTS in 34 mins. see gas flow report
FSI Weak blow built to 1/4 "



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.17	111.14	Initial Hydro-static
2	26.10	114.48	Open To Flow (1)
31	40.69	118.80	Shut-In (1)
91	1119.29	120.96	End Shut-In (1)
92	33.45	121.14	Open To Flow (2)
150	81.05	124.30	Shut-In (2)
210	1012.13	125.92	End Shut-In (2)
212	2050.13	124.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
124.00	MW 50%W 50%M	0.61
46.00	SGWCM 5%G 10%W 85%M	0.65
0.00	3975' GIP	0.00
0.00	RW= .069 @ 60.5 deg.	0.00
0.00		0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	0.75	5.67
Last Gas Rate	0.13	1.50	5.95
Max. Gas Rate	0.13	1.50	5.95



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wildcat Oil & Gas LLC

Messenger #1-24

10286 SW 170th Ave
Nashville KS 67112

24 29S 8W Kingman KS

Job Ticket: 31183

DST#: 2

ATTN: Jon Messenger

Test Start: 2008.04.07 @ 11:12:12

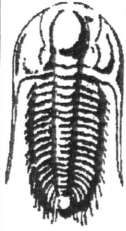
Tool Information

Drill Pipe:	Length: 4021.00 ft	Diameter: 3.80 inches	Volume: 56.40 bbl	Tool Weight: 2500.00 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: 124.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 57.01 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4166.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	43.00 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			4138.00	
Shut In Tool	5.00			4143.00	
Hydraulic tool	5.00			4148.00	
Jars	5.00			4153.00	
Safety Joint	3.00			4156.00	
Packer	5.00			4161.00	29.00 Bottom Of Top Packer
Packer	5.00			4166.00	
Stubb	1.00			4167.00	
Recorder	0.00	6798	Inside	4167.00	
Recorder	0.00	8358	Inside	4167.00	
Perforations	10.00			4177.00	
Bullnose	3.00			4180.00	14.00 Bottom Packers & Anchor
Total Tool Length:	43.00				



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DRILL STEM TEST REPORT

FLUID SUMMARY

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Messenger #1-24

10286 SW 170th Ave
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24 29S 8W Kingman KS

Job Ticket: 31183

DST#: 2

ATTN: Jon Messenger

Test Start: 2008.04.07 @ 11:12:12

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:

140000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
124.00	MW 50%W 50%M	0.610
46.00	SGWCM 5%G 10%W 85%M	0.645
0.00	3975' GIP	0.000
0.00	RW= .069 @ 60.5 deg.	0.000
0.00		0.000

Total Length: 170.00 ft

Total Volume: 1.255 bbf

Num Fluid Samples: 0

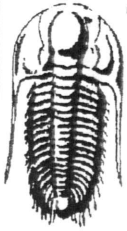
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



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DRILL STEM TEST REPORT

GAS RATES

Wildcat Oil & Gas LLC

Messenger #1-24

10286 SW 170th Ave
Nashville KS 67112

24 29S 8W Kingman KS

Job Ticket: 31183

DST#: 2

ATTN: Jon Messenger

Test Start: 2008.04.07 @ 11:12:12

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	50	0.13	0.75	5.67
2	50	0.13	0.75	5.67
2	60	0.13	1.50	5.95

DST Test Number: 2

24 29S 8W Kingman KS

Wildcat Oil & Gas LLC

Inside

Serial #: 6798

