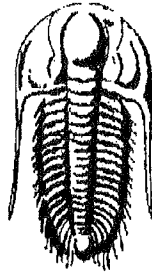


Ind

31-17s-30w RECEIVED

AUG 04 2009

KCC WICHITA



TRILOBITE
TESTING, INC.

KCC
JUL 28 2009
CONFIDENTIAL

DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr Ste101
Colorado Springs, CO 80921

ATTN: Rick Hall

31 17s 30w Lane,KS

Doyles Dome #7

Start Date: 2009.04.15 @ 09:04:36

End Date: 2009.04.15 @ 15:38:45

Job Ticket #: 34275 DST #: 1

15-101-22159

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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

H&M Petroleum

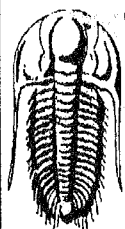
Doyles Dome #7

31 17s 30w Lane,KS

DST # 1

KC-K

2009.04.15



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadowgrass Dr Ste101
Colorado Springs, CO 80921

ATTN: Rick Hall

Doyles Dome #7

31 17s 30w Lane, KS

Job Ticket: 34275

DST#: 1

Test Start: 2009.04.15 @ 09:04:36

GENERAL INFORMATION:

Formation: **KC-K**

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

Time Tool Opened: 11:05:01

Time Test Ended: 15:38:45

Interval: **4190.00 ft (KB) To 4208.00 ft (KB) (TVD)**

Total Depth: **4208.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**

Tester: **Brandon Turley**

Unit No: **35**

Reference Elevations: **2897.00 ft (KB)**

2892.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 6772 **Inside**

Press@RunDepth: **181.26 psig @ 4191.00 ft (KB)**

Start Date: **2009.04.15**

End Date: **2009.04.15**

Capacity: **7000.00 psig**

Last Calib.: **2009.04.15**

Start Time: **09:04:36**

End Time: **15:38:45**

Time On Btm: **2009.04.15 @ 11:03:31**

Time Off Btm: **2009.04.15 @ 13:53:30**

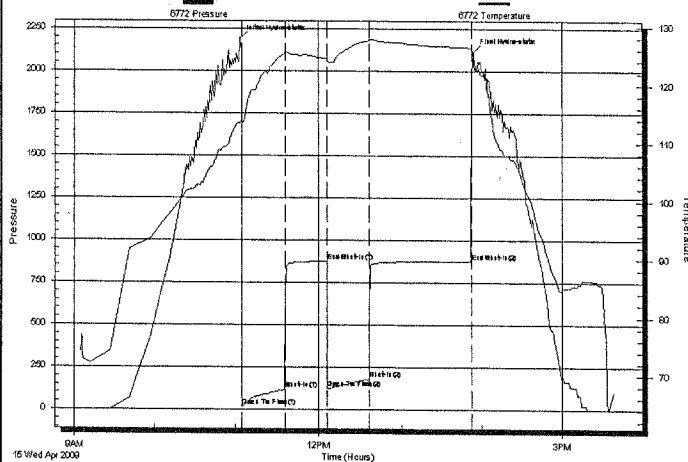
TEST COMMENT: IF: 1/4 blow BOB in 24 min.

IS: No return.

FF: 1/4 blow built to 8 in 30 min.

FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

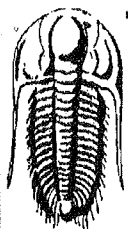
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2187.60	113.38	Initial Hydro-static
2	18.71	113.24	Open To Flow (1)
33	120.61	125.45	Shut-In (1)
63	874.17	124.53	End Shut-In (1)
63	123.01	124.27	Open To Flow (2)
93	181.26	127.69	Shut-In (2)
169	875.72	126.44	End Shut-In (2)
170	2110.57	124.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
188.00	mcw 95%w 5%m	1.49
124.00	mcw 85%w 15%m	1.74
61.00	w cm trace of oil 30%w 70%m	0.86
1.00	free oil 100%o	0.01

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petroleum

Doyles Dome #7

13570 Meadow grass Dr Ste101
Colorado Springs, CO 80921

31 17s 30w Lane,KS

Job Ticket: 34275

DST#: 1

ATTN: Rick Hall

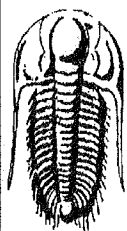
Test Start: 2009.04.15 @ 09:04:36

Tool Information

Drill Pipe:	Length: 4054.00 ft	Diameter: 3.80 inches	Volume: 56.87 bbl	Tool Weight: 15000.00 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose: 70000.00 lb
		Total Volume:	57.49 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4190.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter:	inches	
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4169.00	
Shut In Tool	5.00			4174.00	
Hydraulic tool	5.00			4179.00	
Safety Joint	2.00			4181.00	
Packer	5.00			4186.00	22.00 Bottom Of Top Packer
Packer	4.00			4190.00	
Stubb	1.00			4191.00	
Recorder	0.00	6772	Inside	4191.00	
Recorder	0.00	8373	Inside	4191.00	
Perforations	12.00			4203.00	
Bullnose	5.00			4208.00	18.00 Bottom Packers & Anchor

Total Tool Length: 40.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Doyles Dome #7

13570 Meadow grass Dr Ste101
Colorado Springs, CO 80921

31 17s 30w Lane,KS

Job Ticket: 34275

DST#: 1

ATTN: Rick Hall

Test Start: 2009.04.15 @ 09:04:36

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

36000 ppm

Viscosity: 49.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.36 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
188.00	mcw 95%w 5%m	1.489
124.00	mcw 85%w 15%m	1.739
61.00	w cm trace of oil 30%w 70%m	0.856
1.00	free oil 100%o	0.014

Total Length: 374.00 ft Total Volume: 4.098 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

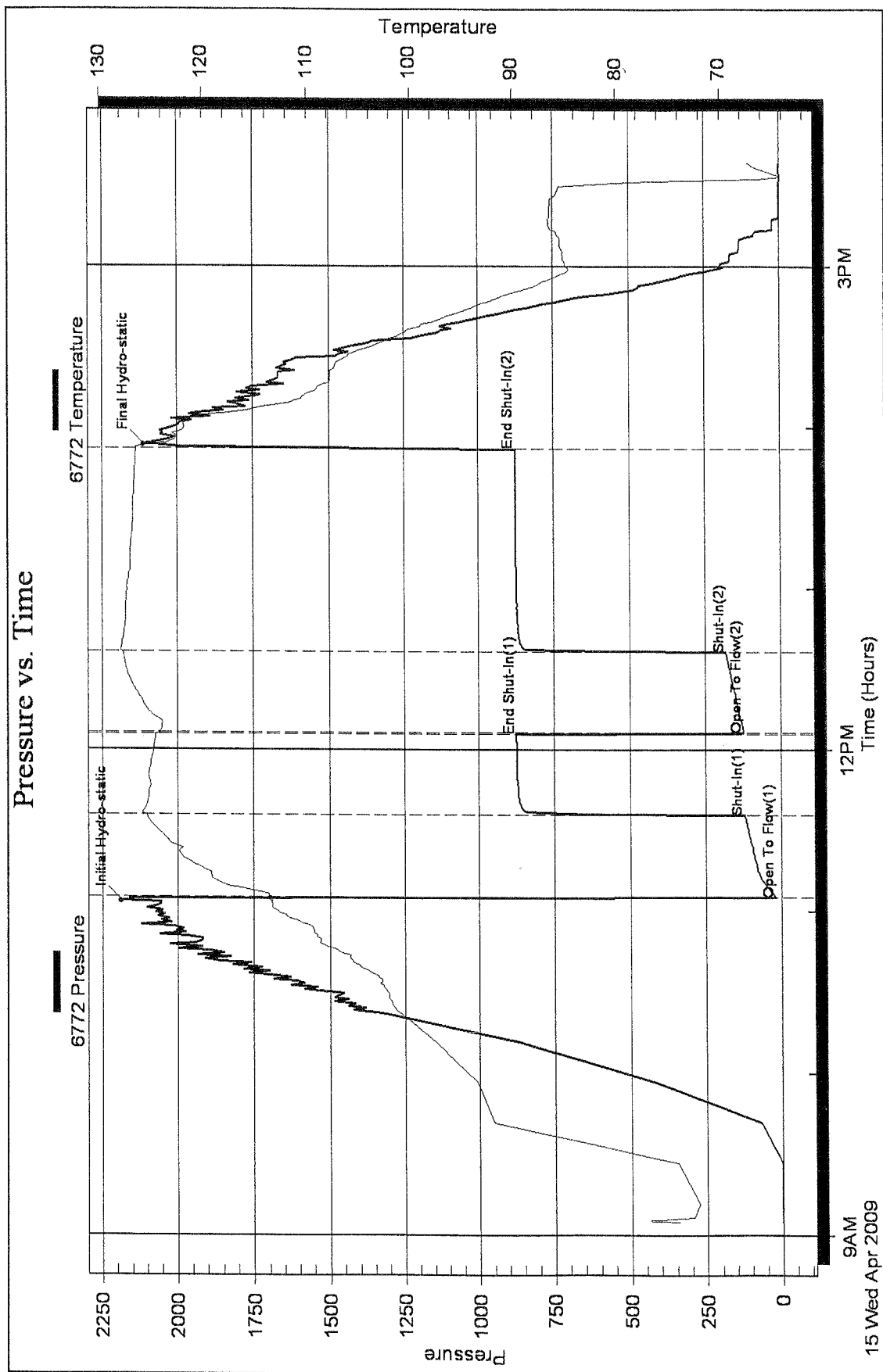
Serial #:

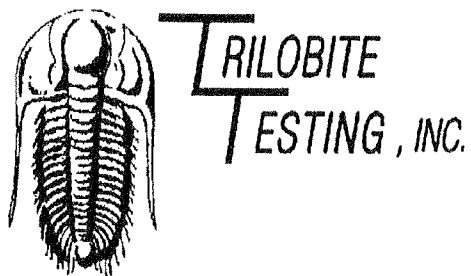
Laboratory Name:

Laboratory Location:

Recovery Comments: .20@71=36000

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **H&M Petroleum**

13570 Meadowgrass Dr Ste101
Colorado Springs, CO 80921

ATTN: Rick Hall

31 17s 30w Lane,KS

Doyles Dome #7

Start Date: 2009.04.16 @ 00:11:03

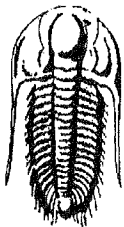
End Date: 2009.04.16 @ 07:31:27

Job Ticket #: 34601 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

H&M Petroleum

13570 Meadowgrass Dr Ste101
Colorado Springs, CO 80921

ATTN: Rick Hall

Doyles Dome #7

31 17s 30w Lane,KS

Job Ticket: 34601

DST#: 2

Test Start: 2009.04.16 @ 00:11:03

GENERAL INFORMATION:

Formation: **Lansing L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:13:13

Time Test Ended: 07:31:27

Test Type: Conventional Bottom Hole

Tester: Brandon Turley

Unit No: 35

Interval: **4240.00 ft (KB) To 4262.00 ft (KB) (TVD)**

Total Depth: 4262.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2897.00 ft (KB)

2892.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6772

Inside

Press@RunDepth: 149.92 psig @ 4241.00 ft (KB)

Start Date: 2009.04.16

End Date:

2009.04.16

Capacity: 7000.00 psig

Last Calib.: 2009.04.16

Start Time: 00:11:03

End Time:

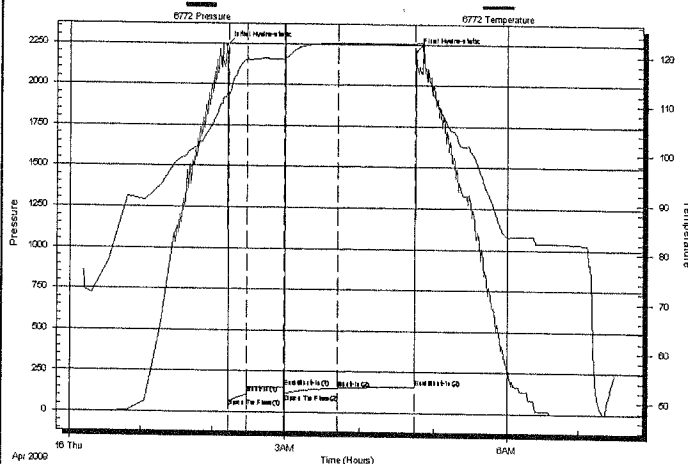
07:31:27

Time On Btm: 2009.04.16 @ 02:11:28

Time Off Btm: 2009.04.16 @ 04:44:42

TEST COMMENT: IF: 1/4 blow BOB in 9 min.
IS: Weak surface blow never built.
FF: 1/4 blow built to 8 in 45 min.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

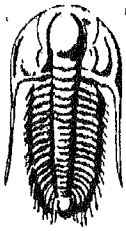
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2238.39	111.75	Initial Hydro-static
2	32.90	111.81	Open To Flow (1)
17	109.70	119.24	Shut-In (1)
48	155.11	119.14	End Shut-In (1)
48	112.70	119.14	Open To Flow (2)
92	149.92	122.50	Shut-In (2)
153	156.91	122.51	End Shut-In (2)
154	2205.23	122.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	mcw 80%w 20%m	0.62
62.00	mw 50%w 50%m	0.87
72.00	w mco 65%o 5%w 30%m	1.01
62.00	go 10%g 90%o	0.87
0.00	50 GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

H&M Petroleum

Doyles Dome #7

13570 Meadowgrass Dr Ste101
Colorado Springs, CO 80921

31 17s 30w Lane,KS

Job Ticket: 34601

DST#: 2

ATTN: Rick Hall

Test Start: 2009.04.16 @ 00:11:03

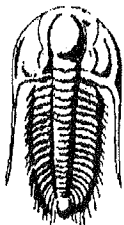
Tool Information

Drill Pipe:	Length: 4116.00 ft	Diameter: 3.80 inches	Volume: 57.74 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: 126.00 ft	Diameter: 2.25 inches	Volume: 0.62 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 58.36 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4240.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	44.00 ft			
Number of Packers:	2	Diameter:	inches	
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Stubb	1.00			4219.00	
Shut In Tool	5.00			4224.00	
Hydraulic tool	5.00			4229.00	
Safety Joint	2.00			4231.00	
Packer	5.00			4236.00	22.00 Bottom Of Top Packer
Packer	4.00			4240.00	
Stubb	1.00			4241.00	
Recorder	0.00	6772	Inside	4241.00	
Recorder	0.00	8373	Inside	4241.00	
Perforations	16.00			4257.00	
Bullnose	5.00			4262.00	22.00 Bottom Packers & Anchor

Total Tool Length: 44.00



TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

FLUID SUMMARY

H&M Petroleum

Doyles Dome #7

13570 Meadowgrass Dr Ste101
Colorado Springs, CO 80921

31 17s 30w Lane,KS

Job Ticket: 34601

DST#:2

ATTN: Rick Hall

Test Start: 2009.04.16 @ 00:11:03

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 53.00 sec/qt

Water Loss: 7.59 in³

Resistivity: 0.00 ohm.m

Salinity: 1600.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

33 deg API

Water Salinity:

39000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	mcw 80%w 20%m	0.620
62.00	mw 50%w 50%m	0.870
72.00	w mco 65%o 5%w 30%m	1.010
62.00	go 10%g 90%o	0.870
0.00	50 GIP	0.000

Total Length: 322.00 ft

Total Volume: 3.370 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .26@50=39000

32@50=33

