

15-051-25505

Castle Resources Inc

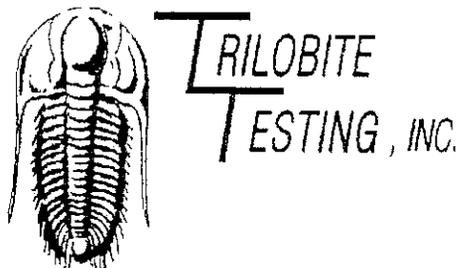
Huffman #1

26 12S 17W Ellis KS

DST #1

Congio & Arb

2006.05.05



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87
Schoenchen KS 67667

ATTN: Jerry Green

26 12S 17W Ellis KS

Huffman #1

Start Date: 2006.05.05 @ 06:37:15

End Date: 2006.05.05 @ 13:34:14

Job Ticket #: 24284 DST #: 1

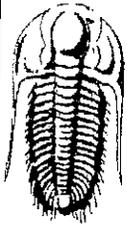
W2 SW SE
030 FSL 2310 FEL
15-051-25505

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 05 2007

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

Castle Resources Inc
 PO Box 87
 Schoenchen KS 67667
 ATTN: Jerry Green

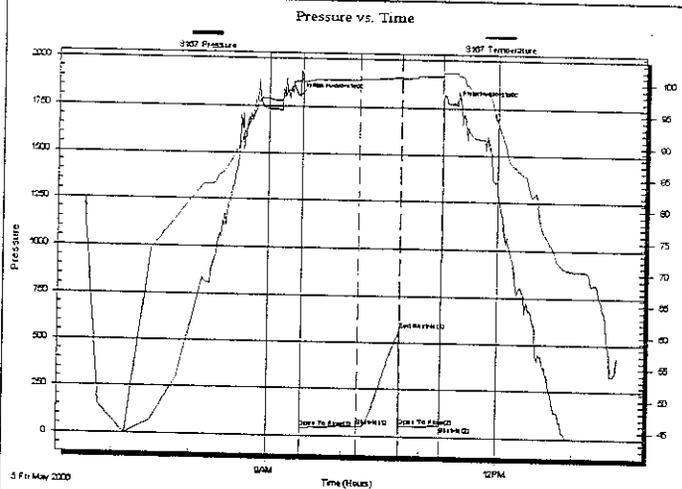
Huffman #1
 25 12S 17W Ellis KS
 Job Ticket: 24284 DST#: 1
 Test Start: 2006.05.05 @ 06:37:15

GENERAL INFORMATION:

Formation: **Conglo & Arb**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:26:44
 Time Test Ended: 13:34:14
 Interval: **3614.00 ft (KB) To 3670.00 ft (KB) (TVD)**
 Total Depth: **3724.00 ft (KB) (TVD)**
 Hole Diameter: **7.85 inches** Hole Condition: Floor
 Test Type: Conventional Straddle
 Tester: Ray Schwager
 Unit No: 28
 Reference Elevations: 2130.00 ft (KB)
 2123.00 ft (CF)
 KB to GR/CF: 7.00 ft

Serial #: 8167 Inside
 Press@RunDepth: 53.22 psig @ 3615.01 ft (KB) Capacity: 7000.00 psig
 Start Date: 2006.05.05 End Date: 2006.05.05 Last Calib.: 2006.05.05
 Start Time: 06:37:15 End Time: 13:34:14 Time On Btm: 2006.05.05 @ 09:23:44
 Time Off Btm: 2006.05.05 @ 11:24:44

TEST COMMENT: IFP Wk bl thru-out 1/2 in bl
 FFP surf bl died in 17"
 Times 45 45 25 out



PRESSURE SUMMARY

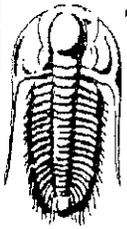
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1799.72	100.03	Initial Hydro-static
3	40.38	99.86	Open To Flow (1)
48	53.22	100.37	Shut-in(1)
81	567.61	100.77	End Shut-in(1)
81	55.77	100.67	Open To Flow (2)
112	60.65	101.03	Shut-in(2)
121	1771.06	101.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	VSOCM 1%O 99%M	0.10

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc
PO Box 87
Schoenchen KS 67667
ATTN: Jerry Green

Huffman #1
25 12S 17W Ellis KS
Job Ticket: 24284 DST#: 1
Test Start: 2006.05.05 @ 06:37:15

Tool Information

Drill Pipe:	Length: 3368.00 ft	Diameter: 3.80 inches	Volume: 47.24 bbl	Tool Weight: 2200.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 65000.00 lb
			Total Volume: 48.42 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3614.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	3670.02 ft			
Interval between Packers:	56.02 ft			
Tool Length:	135.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3594.00	
Shut In Tool	5.00			3599.00	
Hydraulic tool	5.00			3604.00	
Packer	5.00			3609.00	21.00 Bottom Of Top Packer
Packer	5.00			3614.00	
Stubb	1.00			3615.00	
Recorder	0.01	8167	Inside	3615.01	
Perforations	11.00			3626.01	
Blank Spacing	33.00			3659.01	
Recorder	0.01	13534	Outside	3659.02	
Perforations	7.00			3666.02	
Blank Off Sub	1.00			3667.02	
Blank Spacing	3.00			3670.02	56.02 Tool Interval
Packer	5.00			3675.02	
Stubb	1.00			3676.02	
Perforations	16.00			3692.02	
Recorder	0.01	13547	Below	3692.03	
Blank Spacing	33.00			3725.03	
Bullnose	3.00			3728.03	58.01 Bottom Packers & Anchor
Total Tool Length:		135.03			



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

Huffman #1

PO Box 87
Schoenchen KS 67667

25 12S 17W Ellis KS

Job Ticket: 24284

DST#: 1

ATTN: Jerry Green

Test Start: 2006.05.05 @ 06:37:15

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 46.00 sec/qt

Water Loss: 11.12 in³

Resistivity: ohm.m

Salinity: 10500.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbf

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	VSOCM 1%O 99%M	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbf

Num Fluid Samples: 0

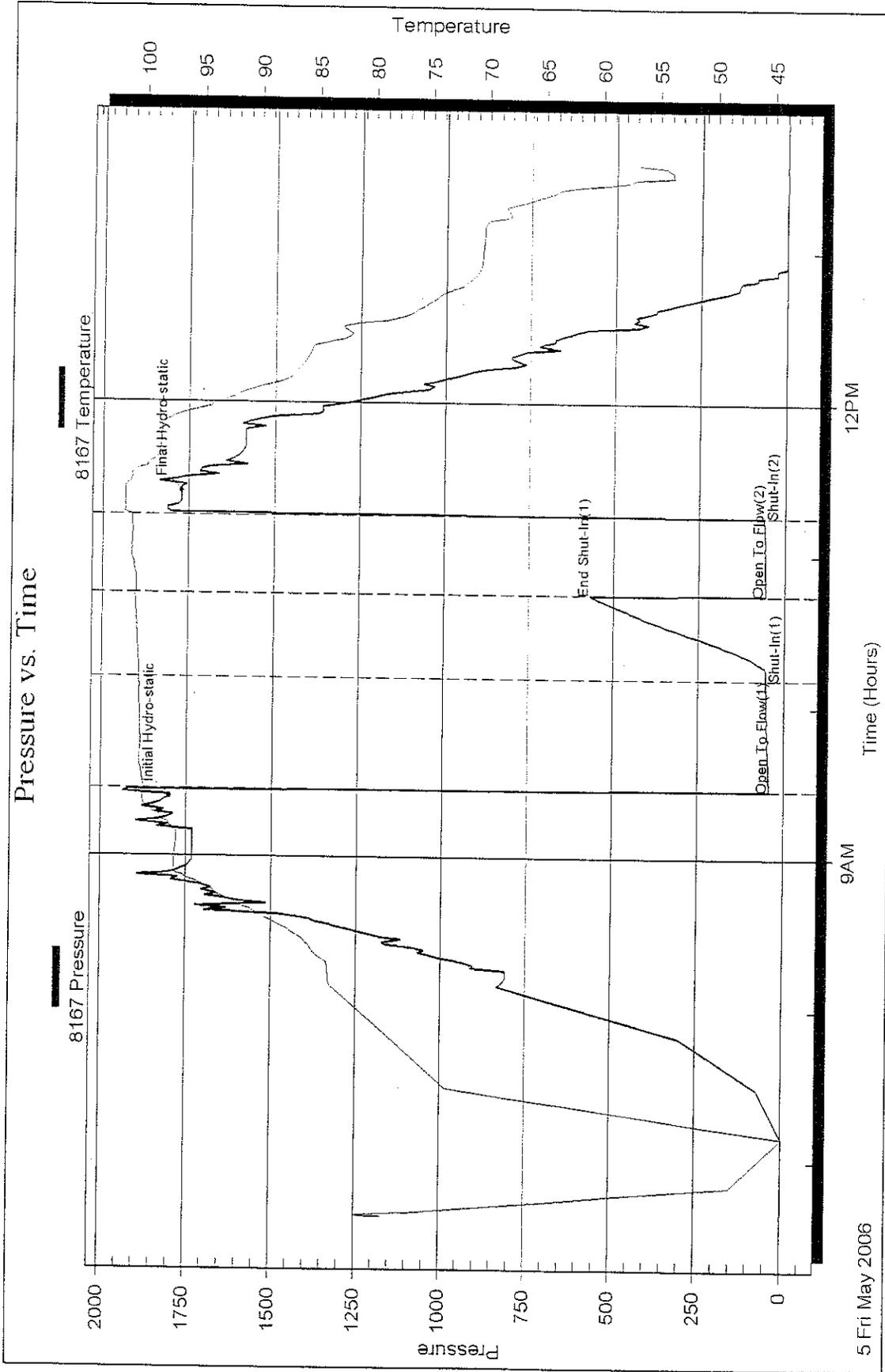
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

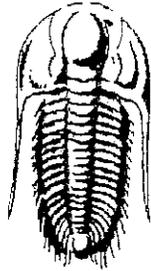


5 Fri May 2006

9AM

Time (Hours)

12PM



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87
Schoenchen KS 67667

ATTN: Jerry Green

25 12S 17W Ellis KS

Huffman #1

Start Date: 2006.05.05 @ 13:41:39

End Date: 2006.05.05 @ 22:05:08

Job Ticket #: 24285 DST #: 2

RECEIVED
KANSAS CORPORATION COMMISSION

DEC 05 2007

CONSERVATION DIVISION
WICHITA, KS

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

Castle Resources Inc

Huffman #1

25 12S 17W Ellis KS

DST # 2

Arbuckle

2006.05.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Castle Resources Inc

Huffman #1

PO Box 87
Schoenchen KS 67667

25 12S 17W Ellis KS

ATTN: Jerry Green

Job Ticket: 24285 DST#: 2

Test Start: 2006.05.05 @ 13:41:39

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:33:38

Time Test Ended: 22:05:08

Test Type: Conventional Straddle

Tester: Ray Schwager

Unit No: 28

Interval: 3650.00 ft (KB) To 3681.00 ft (KB) (TVD)

Total Depth: 3724.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 2130.00 ft (KB)

2123.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8167

Inside

Press@RunDepth: 188.38 psig @ 3651.01 ft (KB)

Start Date: 2006.05.05

End Date: 2006.05.05

Start Time: 13:41:39

End Time: 22:05:08

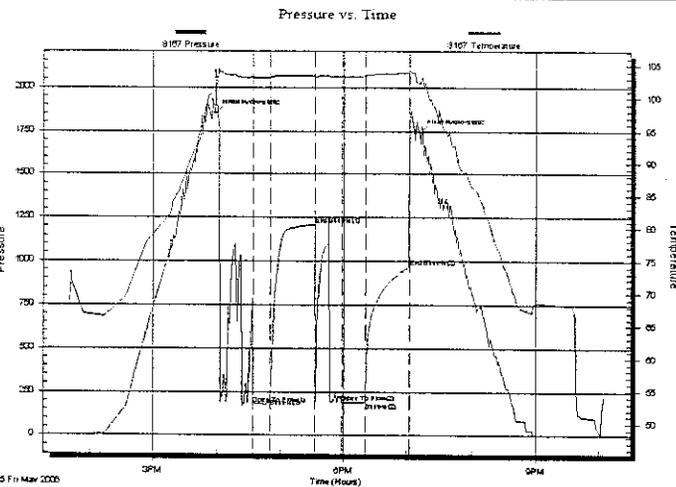
Capacity: 7000.00 psig

Last Calib.: 2006.05.05

Time On Btm: 2006.05.05 @ 15:58:08

Time Off Btm: 2006.05.05 @ 19:12:08

TEST COMMENT: IFP Wk bl thru-out 3 in bl
FFP surf bl flushed tool 1/4 in bl to surf bl
Times 45 45 45 45
No bl on shut-in slid tool 10 ft to bottom



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1853.86	101.11	Initial Hydro-static
36	176.24	103.10	Open To Flow (1)
52	210.24	103.17	Shut-In(1)
95	1210.57	103.44	End Shut-In(1)
121	188.08	103.22	Open To Flow (2)
143	188.38	103.34	Shut-In(2)
184	966.80	103.79	End Shut-In(2)
194	1739.40	102.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	mud	1.03
60.00	OCM 12% O 88%M	0.57

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc
PO Box 87
Schoenchen KS 67667
ATTN: Jerry Green

Huffman #1
25 12S 17W Ellis KS
Job Ticket: 24285 DST#: 2
Test Start: 2006.05.05 @ 13:41:39

Tool Information

Drill Pipe:	Length: 3403.00 ft	Diameter: 3.80 inches	Volume: 47.74 bbl	Tool Weight: 2200.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 85000.00 lb
			Total Volume: 48.92 bbl	Tool Chased: 10.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3650.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	3681.02 ft			
Interval between Packers:	31.02 ft			
Tool Length:	99.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3630.00	
Shut In Tool	5.00			3635.00	
Hydraulic tool	5.00			3640.00	
Packer	5.00			3645.00	21.00 Bottom Of Top Packer
Packer	5.00			3650.00	
Stubb	1.00			3651.00	
Recorder	0.01	8167	Inside	3651.01	
Perforations	11.00			3662.01	
Recorder	0.01	13534	Outside	3662.02	
Perforations	15.00			3677.02	
Blank Off Sub	1.00			3678.02	
Blank Spacing	3.00			3681.02	31.02 Tool Interval
Packer	5.00			3686.02	
Stubb	1.00			3687.02	
Perforations	5.00			3692.02	
Recorder	0.01	13547	Below	3692.03	
Blank Spacing	33.00			3725.03	
Bullnose	3.00			3728.03	47.01 Bottom Packers & Anchor
Total Tool Length:	99.03				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources inc

Huffman #1

PO Box 87
Schoenchen KS 67667

25 12S 17W Ellis KS

Job Ticket: 24285

DST#: 2

ATTN: Jerry Green

Test Start: 2006.05.05 @ 13:41:39

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.10 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
210.00	mud	1.033
60.00	OCM 12% O 88%M	0.568

Total Length: 270.00 ft Total Volume: 1.601 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

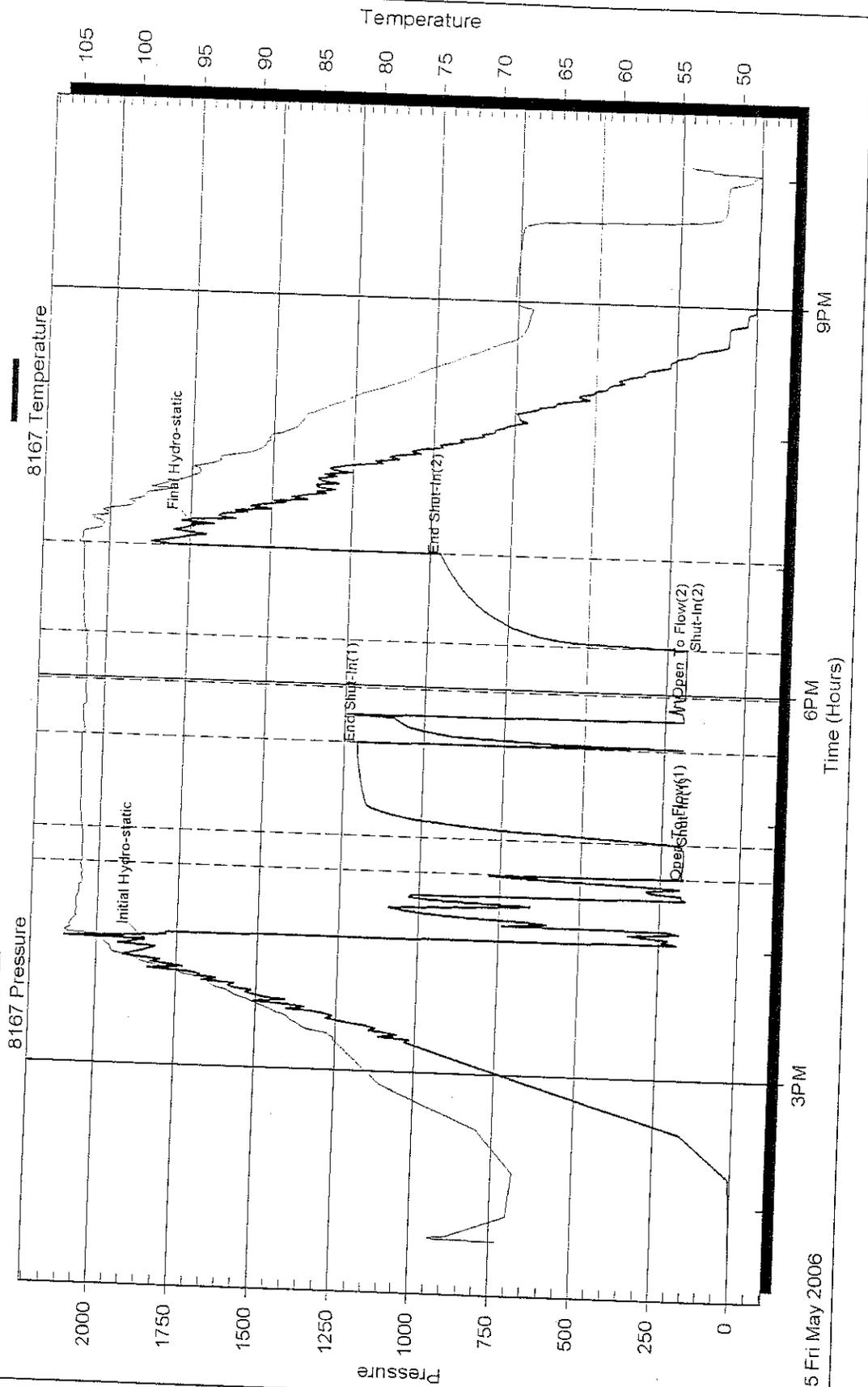
Serial #: 8167

Inside Castle Resources Inc

25 12S 17W Ellis KS

DST Test Number: 2

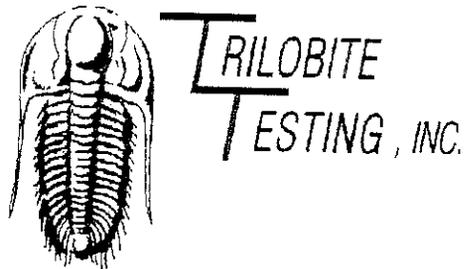
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 24285

Printed: 2006.05.08 @ 12:06.09 Page 5



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87
Schoenchen KS 67667

ATTN: Jerry Green

25 12S 17W Ellis KS

Huffman #1

Start Date: 2006.05.06 @ 04:36:23

End Date: 2006.05.06 @ 10:16:22

Job Ticket #: 24286 DST #: 3

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

Castle Resources Inc

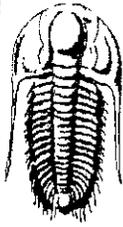
Huffman #1

25 12S 17W Ellis KS

DST # 3

Lans J

2006.05.06



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Castle Resources Inc
 PO Box 87
 Schoenchen KS 67667
 ATTN: Jerry Green

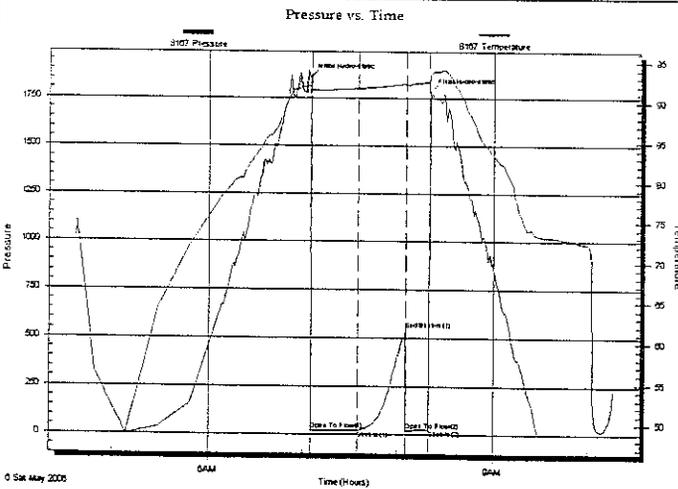
Huffman #1
25 12S 17W Ellis KS
 Job Ticket: 24286 DST#: 3
 Test Start: 2006.05.06 @ 04:36:23

GENERAL INFORMATION:

Formation: **Lans J**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Straddle**
 Time Tool Opened: **07:04:22** Tester: **Ray Schwager**
 Time Test Ended: **10:16:22** Unit No: **28**
 Interval: **3561.00 ft (KB) To 3592.00 ft (KB) (TVD)** Reference Elevations: **2130.00 ft (KB)**
 Total Depth: **3724.00 ft (KB) (TVD)** **2123.00 ft (KB)**
 Hole Diameter: **7.85 inches** Hole Condition: **Poor** KB to GR/CF: **7.00 ft**

Serial #: 8167 Inside
 Press@RunDepth: **22.31 psig @ 3562.01 ft (KB)** Capacity: **7000.00 psig**
 Start Date: **2006.05.06** End Date: **2006.05.06** Last Calib.: **2006.05.06**
 Start Time: **04:36:23** End Time: **10:16:22** Time On Btm: **2006.05.06 @ 07:03:52**
 Time Off Btm: **2006.05.06 @ 08:19:52**

TEST COMMENT: IF PWk bl 1/4 in died in 25"
 FFP No bl flushed tool got surge after flush
 Times 30 30 10 out



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1854.63	92.00	Initial Hydro-static
1	19.65	91.57	Open To Flow (1)
31	22.31	91.71	Shut-In(1)
61	542.84	92.33	End Shut-In(1)
62	23.65	92.24	Open To Flow (2)
76	26.42	92.54	Shut-In(2)
76	1781.73	93.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud w/show of oil	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

Huffman #1

PO Box 87
Schoenchen KS 67667

25 12S 17W Ellis KS

Job Ticket: 24286

DST#: 3

ATTN: Jerry Green

Test Start: 2006.05.06 @ 04:36:23

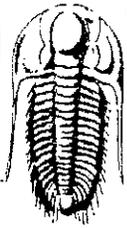
Tool Information

Drill Pipe:	Length: 3310.00 ft	Diameter: 3.80 inches	Volume: 46.43 bbl	Tool Weight: 2200.00 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: 240.00 ft	Diameter: 2.25 inches	Volume: 1.18 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 47.61 bbl		Tool Chased: 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3561.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	3592.02 ft			
Interval between Packers:	31.02 ft			
Tool Length:	188.03 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3541.00	
Shut In Tool	5.00			3546.00	
Hydraulic tool	5.00			3551.00	
Packer	5.00			3556.00	21.00 Bottom Of Top Packer
Packer	5.00			3561.00	
Stubb	1.00			3562.00	
Recorder	0.01	8167	inside	3562.01	
Perforations	11.00			3573.01	
Recorder	0.01	13534	Outside	3573.02	
Perforations	15.00			3588.02	
Blank Off Sub	1.00			3589.02	
Blank Spacing	3.00			3592.02	31.02 Tool Interval
Packer	5.00			3597.02	
Stubb	1.00			3598.02	
Perforations	3.00			3601.02	
Recorder	0.01	13547	Below	3601.03	
Blank Spacing	124.00			3725.03	
Bullhose	3.00			3728.03	136.01 Bottom Packers & Anchor
Total Tool Length:	188.03				



**TRIOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc
PO Box 87
Schoenchen KS 67667
ATTN: Jerry Green

Huffman #1
25 12S 17W Ellis KS
Job Ticket: 24286 DST#: 3
Test Start: 2006.05.06 @ 04:36:23

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 11.10 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 10500.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud w/show of oil	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Pressure vs. Time

