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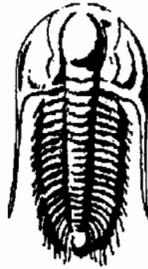
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KCC WICHITA

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Paul

ORIGINAL



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc.**

PO Box 87
Schoenchen , KS

ATTN: Castle Resources

34-2-27 Decatur KS

Long #1

Start Date: 2001.09.14 @ 06:39:02

End Date: 2001.09.14 @ 11:56:56

Job Ticket #: 15486 DST #: 1

Castle Resources Inc.

Long #1

34-2-27 Decatur KS

DST # 1

Pallnow, "B"

2001.09.14

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.

Long #1

PO Box 87
Schoenchen, KS

34-2-27 Decatur KS

ATTN: Castle Resources

Job Ticket: 15486

DST#: 1

Test Start: 2001.09.14 @ 06:39:02

GENERAL INFORMATION:

Formation: **Pallnow, "B"**

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

Time Tool Opened: 08:53:57

Time Test Ended: 11:56:56

Test Type: **Conventional Bottom Hole**

Tester: **Shane McBride**

Unit No: **15**

Interval: **3641.00 ft (KB) To 3685.00 ft (KB) (TVD)**

Total Depth: **3685.00 ft (KB) (TVD)**

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

Reference Elevations: **2678.00 ft (KB)**

2673.00 ft (CF)

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

Serial #: 2346

Inside

Press@RunDepth: **25.18 psig @ 3642.00 ft (KB)**

Start Date: **2001.09.14**

End Date: **2001.09.14**

Start Time: **06:39:02**

End Time: **11:56:56**

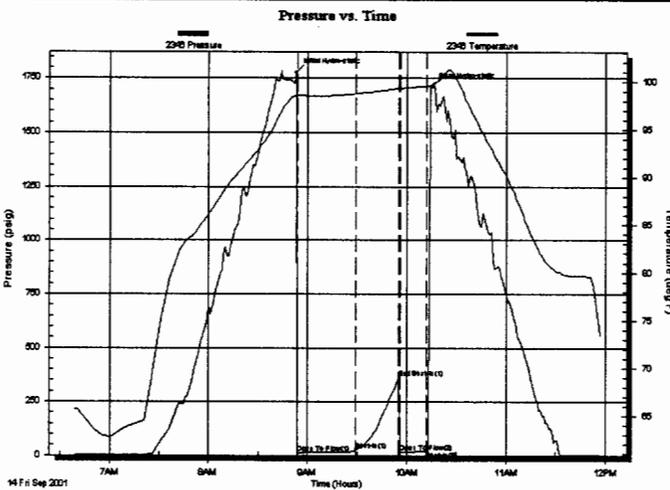
Capacity: **7000.00 psig**

Last Calib.: **2001.01.17**

Time On Btm: **2001.09.14 @ 08:52:57**

Time Off Btm: **2001.09.14 @ 10:14:57**

TEST COMMENT: Weak blow died in 10 min.
No return
Open tool, no blow, wait 10 min. flush tool, good surge, no blow
wait 5 min. flush tool, good surge, no blow, pull tool.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1776.68	98.52	Initial Hydro-static
1	13.40	98.55	Open To Flow (1)
36	25.18	98.74	Shut-In(1)
62	360.07	99.28	End Shut-In(1)
63	18.37	99.29	Open To Flow (2)
79	21.15	99.53	Shut-In(2)
82	1710.97	99.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	drilling mud 100% mud	0.02

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 ATTN: Castle Resources	Long #1 34-2-27 Decatur KS Job Ticket: 15486 DST#: 1 Test Start: 2001.09.14 @ 06:39:02	

Tool Information

Drill Pipe:	Length: 3210.00 ft	Diameter: 3.80 inches	Volume: 45.03 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: 443.00 ft	Diameter: 2.25 inches	Volume: 2.18 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 47.21 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	32.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3641.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	44.00 ft			
Tool Length:	64.00 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			3622.00	
S.I. Tool	5.00			3627.00	
HMV	5.00			3632.00	
Packer	5.00			3637.00	20.00 Bottom Of Top Packer
Packer	4.00			3641.00	
Stubb	1.00			3642.00	
Recorder	0.00	2346	Inside	3642.00	
Perforations	5.00	24174		3647.00	
C.O. Sub	1.00			3648.00	
drillpipe	31.00			3679.00	
C.O. Sub	1.00			3680.00	
Recorder	0.00	11057	Outside	3680.00	
Bullnose	5.00			3685.00	44.00 Bottom Packers & Anchor

Total Tool Length: 64.00



**TRILOBITE
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DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc.

Long #1

PO Box 87
Schoenchen, KS

34-2-27 Decatur KS

Job Ticket: 15486

DST#: 1

ATTN: Castle Resources

Test Start: 2001.09.14 @ 06:39:02

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: 48.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 500.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	drilling mud 100% mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 2346

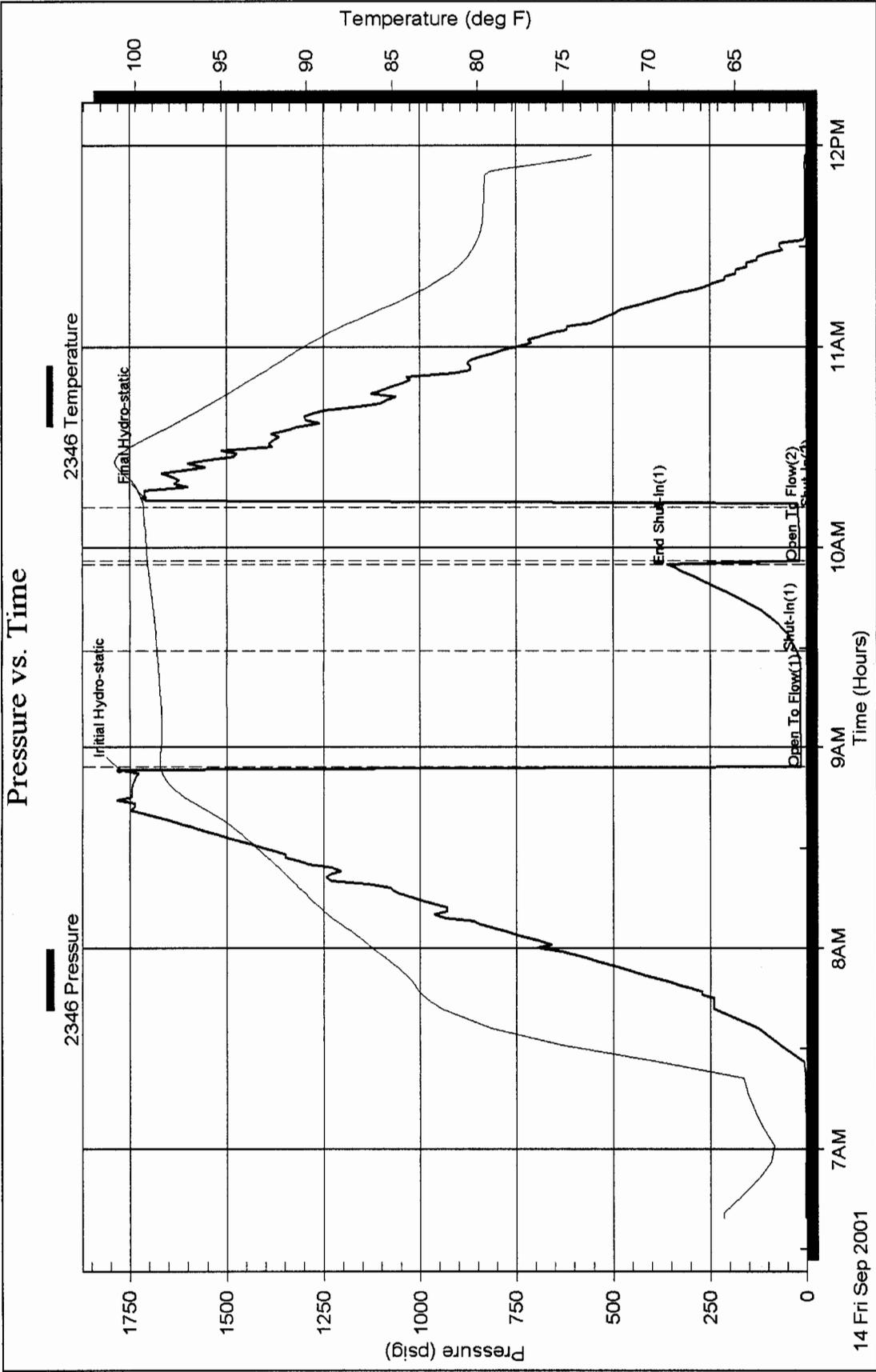
Inside

Castle Resources Inc.

34-2-27 Decatur KS

DST Test Number: 1

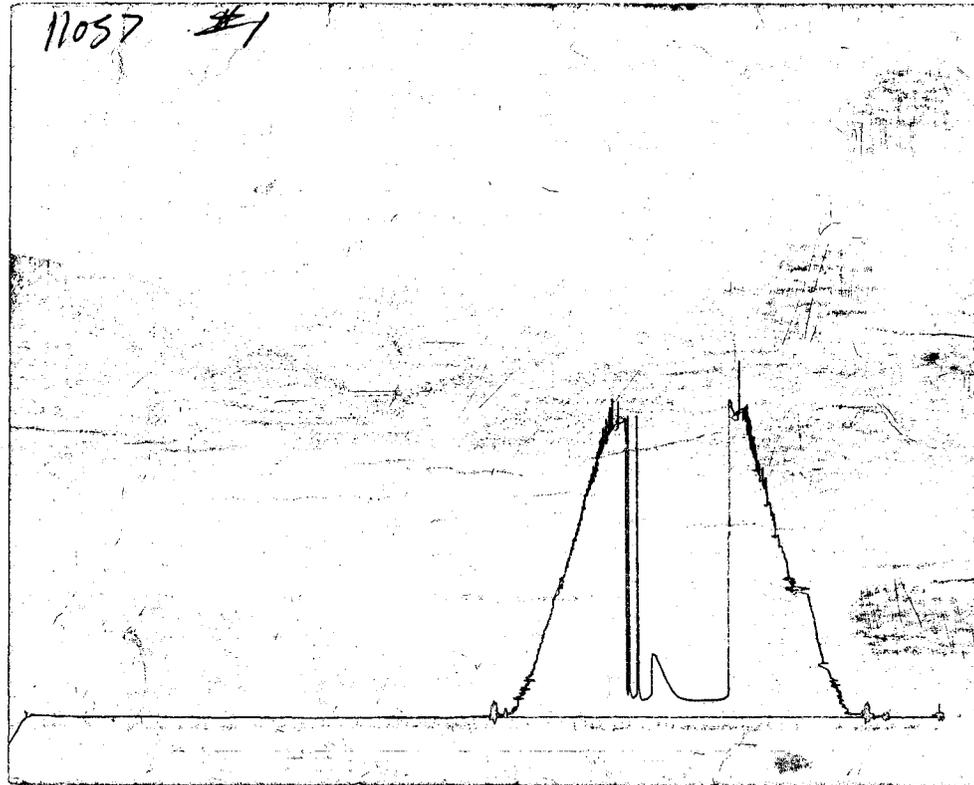
Pressure vs. Time

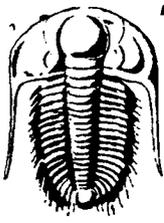


14 Fri Sep 2001

CHART PAGE

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





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 15486

Test Ticket

Well Name & No. Long #1 Test No. #1 Date 9-14-01
 Company Castle Resources Inc. Zone Tested ft. m. "B"
 Address P.O. Box 87 Schoenchen Ks 67667 Elevation 2678 KB 2673 GL
 Co. Rep / Geo. Jerry Green Cont. Martin #3 Est. Ft. of Pay Por. %
 Location: Sec. 34 Twp. 2 Rge. 27 Co. Deatur State Ks
 No. of Copies None Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 3641 3685 Initial Str Wt./Lbs. 50,000 Unseated Str Wt./Lbs. 50,000
 Anchor Length 44 Wt. Set Lbs. 30,000 Wt. Pulled Loose/Lbs. 65,000
 Top Packer Depth 3636 Tool Weight 1500
 Bottom Packer Depth 3641 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 3685 Wt. Pipe Run Drill Collar Run 443'
 Mud Wt. 9.0 LCM 1/2 Vis. 48 WL 8.0 Drill Pipe Size 4 1/2 NH Ft. Run 3210'
 Blow Description Weak blow died in 10 min

No return
open tool, no blow wait 10 min Flush (good surge) no blow wait 5 min
Flush again (good surge) no blow pull Tool

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
5'	—	5'	—			no	
Rec. 5'	Feet Of <u>Drilling Mud</u>						
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						
Rec. <u> </u>	Feet Of <u> </u>						

BHT 101' °F Gravity °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 500 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		1776		2346	05:10 a.m.
(B) First Initial Flow Pressure		13	PSI	(depth) 3642'	T-Started 06:35 a.m.
(C) First Final Flow Pressure		25	PSI	Recorder No. 11057	T-Open 08:48 a.m.
(D) Initial Shut-In Pressure		360	PSI	(depth) 3680'	T-Pulled 10:10 a.m.
(E) Second Initial Flow Pressure		18	PSI	Recorder No. <u> </u>	T-Out 12:05 p.m.
(F) Second Final Flow Pressure		21	PSI	(depth) <u> </u>	T-Off Location 12:15 p.m.
(G) Final Shut-in Pressure		—	PSI	Initial Opening 30	Test X 700
(Q) Final Hydrostatic Mud		1710	PSI	Initial Shut-in 30	Jars <u> </u>

Final Flow 20 Safety Joint
 Final Shut-in Straddle
 Circ. Sub X N/C
 Sampler
 Extra Packer
 Elec. Rec. X 150
 Mileage X 120 lwy
 Other
 TOTAL PRICE \$ 270

Approved By
 Our Representative Shawn McE...

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