



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

P O Box 87
Schoenchen Ks 67667

ATTN: Jerry Green

34-10s-17w Rooks Ks

Comeau #1

Start Date: 2004.03.04 @ 10:40:13

End Date: 2004.03.04 @ 18:13:42

Job Ticket #: 19836 DST #: 1

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



**TRILOBITE
TESTING, INC.**

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P O Box 87
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ATTN: Jerry Green

Comeau #1

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Job Ticket: 19836

DST#: 1

Test Start: 2004.03.04 @ 10:40:13

GENERAL INFORMATION:

Formation: **Congl sd**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:08:12

Time Test Ended: 18:13:42

Test Type: Conventional Bottom Hole

Tester: Ray Schwager

Unit No: 28

Interval: **3412.00 ft (KB) To 3470.00 ft (KB) (TVD)**

Total Depth: 3470.00 ft (KB) (TVD)

Hole Diameter: 7.85 inches Hole Condition: Poor

Reference Elevations: 1947.00 ft (KB)

1942.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6668

Inside

Press@RunDepth: 515.68 psig @ 3417.01 ft (KB)

Start Date: 2004.03.04

End Date:

2004.03.04

Start Time: 10:40:13

End Time:

18:13:42

Capacity: 7000.00 psig

Last Calib.: 2004.03.04

Time On Btm: 2004.03.04 @ 12:32:12

Time Off Btm: 2004.03.04 @ 15:42:42

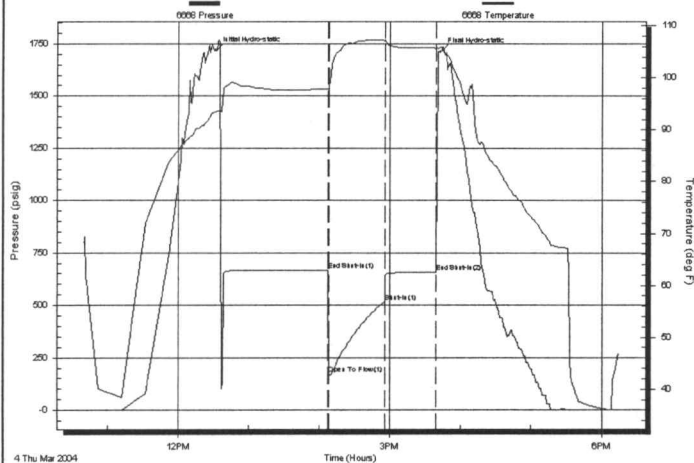
TEST COMMENT: IFP-w k to a gd bl 1/2" to 6" bl

FFP-strg bl thru-out

Times 45-45-45-45

no bl on shut-in

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1718.12	93.47	Initial Hydro-static
96	665.72	97.90	End Shut-In(1)
96	171.63	97.66	Open To Flow(1)
143	515.68	107.18	Shut-In(1)
187	658.94	105.69	End Shut-In(2)
191	1711.94	105.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
588.00	HO&GCM 20%gas35%oil45%mud	8.25
372.00	GM&WCO 30%gas35%oil10%water25%	5.22
186.00	O&GCW 5%gas20%oil 75%water	2.61

Gas Rates

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

Castle Resources Inc

P O Box 87
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ATTN: Jerry Green

Comeau #1

34-10s-17w Rooks Ks

Job Ticket: 19836

DST#: 1

Test Start: 2004.03.04 @ 10:40:13

Tool Information

Drill Pipe:	Length:	3422.00 ft	Diameter:	3.80 inches	Volume:	48.00 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:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight to Pull Loose:	45000.00 lb
					Total Volume:	48.00 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:		30.00 ft					String Weight: Initial	28000.00 lb
Depth to Top Packer:		3412.00 ft					Final	36000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		58.02 ft						
Tool Length:		78.02 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3397.00	
Hydraulic tool	5.00			3402.00	
Packer	5.00			3407.00	20.00 Bottom Of Top Packer
Packer	5.00			3412.00	
Stubb	1.00			3413.00	
Perforations	4.00			3417.00	
Recorder	0.01	6668	Inside	3417.01	
Blank Spacing	30.00			3447.01	
Recorder	0.01	11085	Outside	3447.02	
Perforations	20.00			3467.02	
Bullnose	3.00			3470.02	58.02 Bottom Packers & Anchor

Total Tool Length: 78.02



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FLUID SUMMARY

Castle Resources Inc

Comeau #1

P O Box 87
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34-10s-17w Rooks Ks

Job Ticket: 19836

DST#: 1

ATTN: Jerry Green

Test Start: 2004.03.04 @ 10:40:13

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: 10.36 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
588.00	HO&GCM 20%gas35%oil45%mud	8.248
372.00	GM&WCO 30%gas35%oil10%w ater25%mud	5.218
186.00	O&GCW 5%gas20%oil 75%w ater	2.609

Total Length: 1146.00 ft Total Volume: 16.075 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

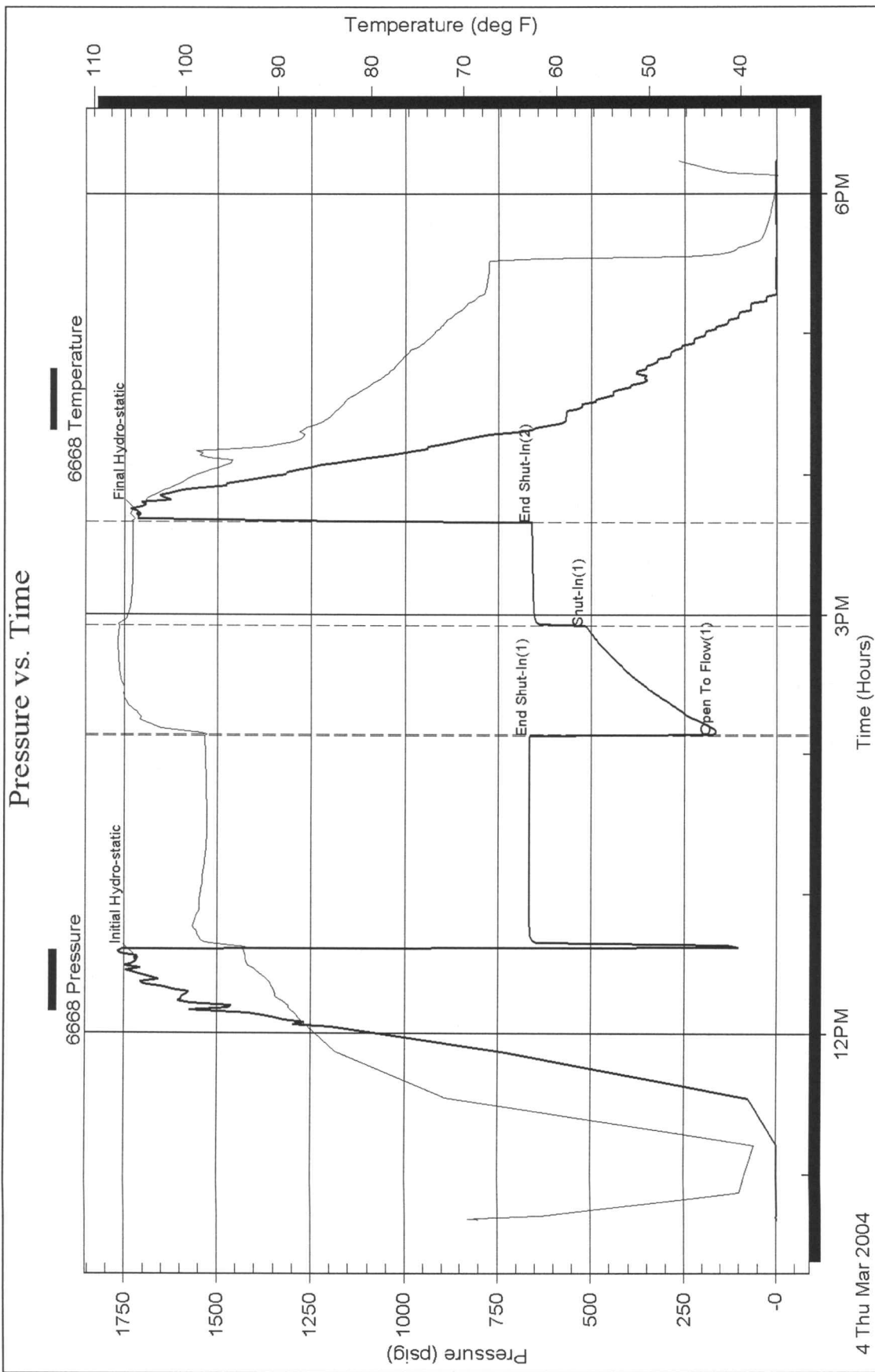
Serial #:

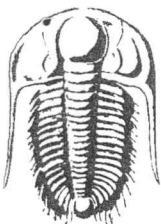
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

No 19836

05/03

Test Ticket

Well Name & No. CORNEAU #1 Test No. 1 Date 2-4-04
Company CASTLE Resources, Inc Zone Tested CONGL
Address P.O. Box 87 Schoenchen, Ko 67667 Elevation 1947 KB 1942 GL
Co. Rep / Geo. JERRY GREEN Cont. A+A rig 1 Est. Ft. of Pay - Por. - %
Location: Sec. 34 Twp. 10^s Rge. 17^w Co. Rock State Ko
No. of Copies Reg Distribution Sheet (Y, N) - Turnkey (Y, N) - Evaluation (Y, N) -

Interval Tested 3412 - 3470 Initial Str Wt./Lbs. 28000 Unseated Str Wt/Lbs. 36000
Anchor Length 58 Wt. Set Lbs. 25000 Wt. Pulled Loose/Lbs. 45000
Top Packer Depth 3407 Tool Weight 2200
Bottom Packer Depth 3412 Hole Size 7 7/8" Rubber Size 6 3/4"
Total Depth 3470 Wt. Pipe Run - Drill Collar Run -
Mud Wt. 9.3 LCM TR Vis. 48 WL 10.4 Drill Pipe Size 4 1/2 FH Ft. Run 3422
Blow Description IFP - WEAK TO A GOOD BLOW 1/2" TO 6" BLOW
FFP - STRONG BLOW Thru-out

Recovery - Total Feet 1146 GIP - Ft. in DC - Ft. in DP 1146
Rec. 588 Feet of HOT GCM 20 %gas 35 %oil %water 45 %mud
Rec. 372 Feet of GMAW CO 30 %gas 35 %oil 10 %water 25 %mud
Rec. 186 Feet of OGCW 5 %gas 20 %oil 75 %water %mud
Rec. - Feet of - %gas %oil %water %mud
Rec. - Feet of - %gas %oil %water %mud
BHT 105 °F Gravity - °API D @ - °F Corrected Gravity - °API
RW .34 @ 62 °F Chlorides 23000 ppm Recovery - Chlorides 7000 ppm System

AK-1

(A) Initial Hydrostatic Mud	<u>1718</u> PSI	Recorder No.	<u>6668</u>	Test	<u>700</u>
(B) First Initial Flow Pressure	<u>-</u> PSI	(depth)	<u>3417</u>	Elec. Rec.	<u>150</u>
(C) First Final Flow Pressure	<u>-</u> PSI	Recorder No.	<u>11085</u>	Jars	<u>-</u>
(D) Initial Shut-In Pressure	<u>665</u> PSI	(depth)	<u>3447</u>	Safety Jt.	<u>-</u>
(E) Second Initial Flow Pressure	<u>171</u> PSI	Recorder No.	<u>-</u>	Circ Sub	<u>-</u>
(F) Second Final Flow Pressure	<u>515</u> PSI	(depth)	<u>-</u>	Sampler	<u>-</u>
(G) Final Shut-In Pressure	<u>658</u> PSI	Initial Opening	<u>45</u>	Straddle	<u>-</u>
(Q) Final Hydrostatic Mud	<u>1711</u> PSI	Initial Shut-In	<u>45</u>	Ext. Packer	<u>-</u>

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Approved By -

Our Representative RAY Schwager Thank you

Final Flow 45
Final Shut-In 45
T-On Location 1000
T-Started 1040
T-Open 1240
T-Pulled 1540
T-Out -

Shale Packer 56
Mileage 28 one way 47.60
Sub Total: 897.60
Std. By -
Other -
Total: -

CHART PAGE

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

