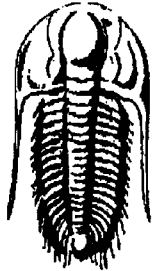


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ORIGINAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc.**

P O Box 87
Schoenchen KS. 67667

ATTN: Jerry Green

17-11S-30W Gove KS.

Lockwood-Richmeier #1

Start Date: 2003.03.26 @ 18:58:50

End Date: 2003.03.27 @ 01:25:50

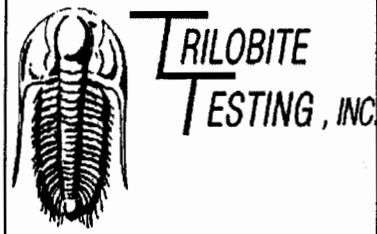
Job Ticket #: 16198 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

ORIGINAL



DRILL STEM TEST REPORT

Castle Resources Inc.
 P O Box 87
 Schoenchen KS. 67667
 ATTN: Jerry Green

Lockwood-Richmeier #1
17-11S-30W Gove KS.
 Job Ticket: 16198 DST#: 1
 Test Start: 2003.03.26 @ 18:58:50

GENERAL INFORMATION:

Formation: **Lans/KC "H-J"**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 20:39:05
 Time Test Ended: 01:25:50
 Interval: **4106.00 ft (KB) To 4198.00 ft (KB) (TVD)**
 Total Depth: **4198.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
 Tester: **Rod Steinbrink**
 Unit No: **22**
 Reference Elevations: **2905.00 ft (KB)**
2900.00 ft (CF)
 KB to GR/CF: **5.00 ft**

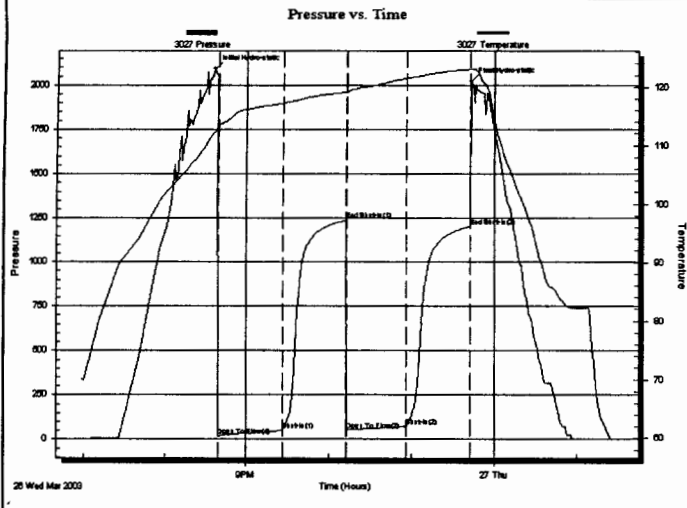
Serial #: 3027

Inside

Press@RunDepth: **74.42 psig @ 4107.00 ft (KB)**
 Start Date: **2003.03.26** End Date: **2003.03.27**
 Start Time: **18:58:55** End Time: **01:25:49**

Capacity: **7000.00 psig**
 Last Calib.: **1899.12.30**
 Time On Btm: **2003.03.26 @ 20:36:20**
 Time Off Btm: **2003.03.26 @ 23:42:50**

TEST COMMENT: IF; Weak to fair blow off btm in 43 mins.
 IS; No return
 FF; Weak to fair off btm in 43 mins.
 FS; No return



PRESSURE SUMMARY


Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2092.37	112.31	Initial Hydro-static
3	18.02	113.35	Open To Flow (1)
50	51.85	117.20	Shut-in(1)
96	1237.98	119.14	End Shut-in(1)
97	51.35	119.19	Open To Flow (2)
140	74.42	121.50	Shut-in(2)
186	1202.01	123.00	End Shut-in(2)
187	2023.53	123.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	HGOCM 10%gas 40%oil 10%w tr 40%nu	1.82
400.00	GIP	5.61

Gas Rates

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

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT		TOOL DIAGRAM
	Castle Resources Inc.	Lockwood-Richmeier #1	
	P O Box 87 Schoenchen KS. 67667	17-11S-30W Gove KS.	
ATTN: Jerry Green	Job Ticket: 16198	DST#: 1	
	Test Start: 2003.03.26 @ 18:58:50		


Tool Information

Drill Pipe:	Length: 4093.00 ft	Diameter: 3.80 inches	Volume: 57.41 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 57.41 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4106.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	92.00 ft			
Tool Length:	112.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			4091.00		
Hydraulic tool	5.00			4096.00		
Packer	5.00			4101.00	20.00	Bottom Of Top Packer
Packer	5.00			4106.00		
Stubb	1.00			4107.00		
Recorder	0.00	3027	Inside	4107.00		
Perforations	22.00			4129.00		
Change Over Sub	1.00			4130.00		
Anchor	62.00			4192.00		
Change Over Sub	1.00			4193.00		
Recorder	0.00	13371	Outside	4193.00		
Bullnose	5.00			4198.00	92.00	Bottom Packers & Anchor

Total Tool Length: 112.00

 <p style="font-size: 2em; font-weight: bold; margin: 0;">TRILOBITE TESTING, INC.</p>	DRILL STEM TEST REPORT	FLUID SUMMARY
	Castle Resources Inc. P O Box 87 Schoenchen KS. 67667 ATTN: Jerry Green	Lockwood-Richmeier #1 17-11S-30W Gove KS. Job Ticket: 16198 DST#: 1 Test Start: 2003.03.26 @ 18:58:50

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: 49000 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.56 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	HGOCM 10%gas 40%oil 10%w tr 40%mud	1.824
400.00	GIP	5.611

Total Length: 530.00 ft Total Volume: 7.435 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

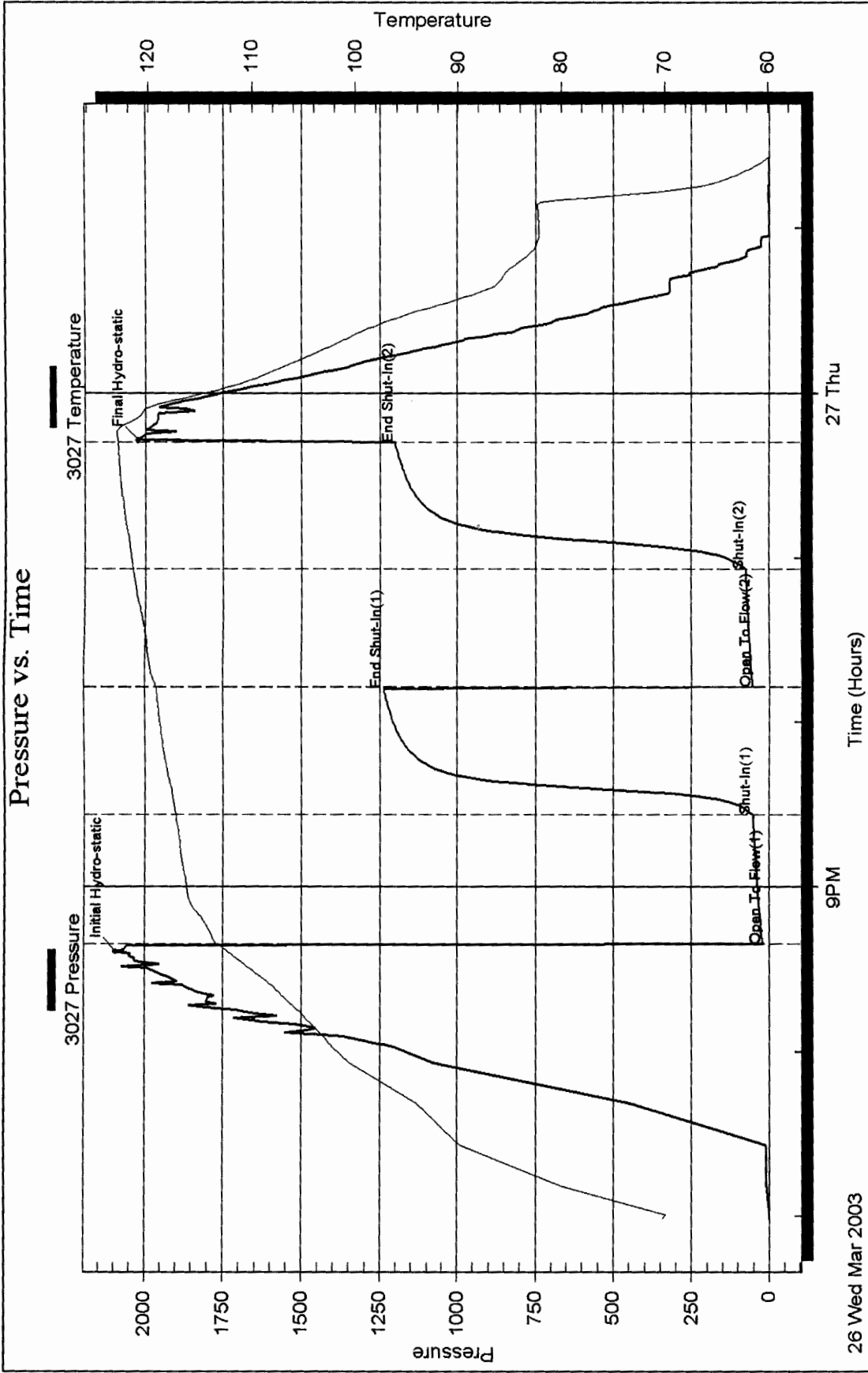
Serial #: 3027

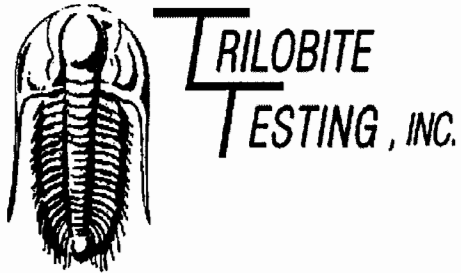
Inside

Castle Resources Inc.

17-11S-30W Gove KS.

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc.**

P O Box 87
Schoenchen KS. 67667

ATTN: Jerry Green

17-11S-30W Gove KS.

Lockwood-Richmeier #1

Start Date: 2003.03.27 @ 09:24:47

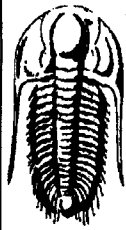
End Date: 2003.03.27 @ 16:05:17

Job Ticket #: 16199 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc.
P O Box 87
Schoenchen KS. 67667
ATTN: Jerry Green

Lockwood-Richmeier #1
17-11S-30W Gove KS.
Job Ticket: 16199 **DST#: 2**
Test Start: 2003.03.27 @ 09:24:47

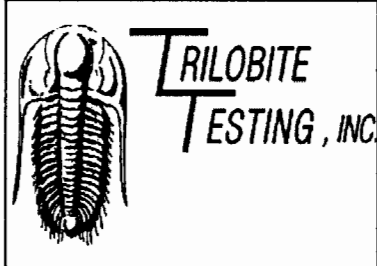
Tool Information

Drill Pipe:	Length: 4185.00 ft	Diameter: 3.80 inches	Volume: 58.70 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: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 58.70 bbl</u>	Tool Chased 10.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	4193.00 ft			Final 46000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4178.00	
Hydraulic tool	5.00			4183.00	
Packer	5.00			4188.00	20.00 Bottom Of Top Packer
Packer	5.00			4193.00	
Stubb	1.00			4194.00	
Recorder	0.00	3027	Inside	4194.00	
Perforations	28.00			4222.00	
Change Over Sub	1.00			4223.00	
Anchor	31.00			4254.00	
Change Over Sub	1.00			4255.00	
Recorder	0.00	13309	Outside	4255.00	
Bullnose	5.00			4260.00	67.00 Bottom Packers & Anchor

Total Tool Length: 87.00



DRILL STEM TEST REPORT **FLUID SUMMARY**

Castle Resources Inc.	Lockwood-Richmeier #1
P O Box 87 Schoenchen KS. 67667	17-11S-30W Gove KS.
ATTN: Jerry Green	Job Ticket: 16199 DST#: 2
	Test Start: 2003.03.27 @ 09:24:47

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.36 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
150.00	HGOCM 10%gas 25%oil 10%w tr 40%mud	2.104
90.00	GIP	1.262

Total Length: 240.00 ft Total Volume: 3.366 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 3027

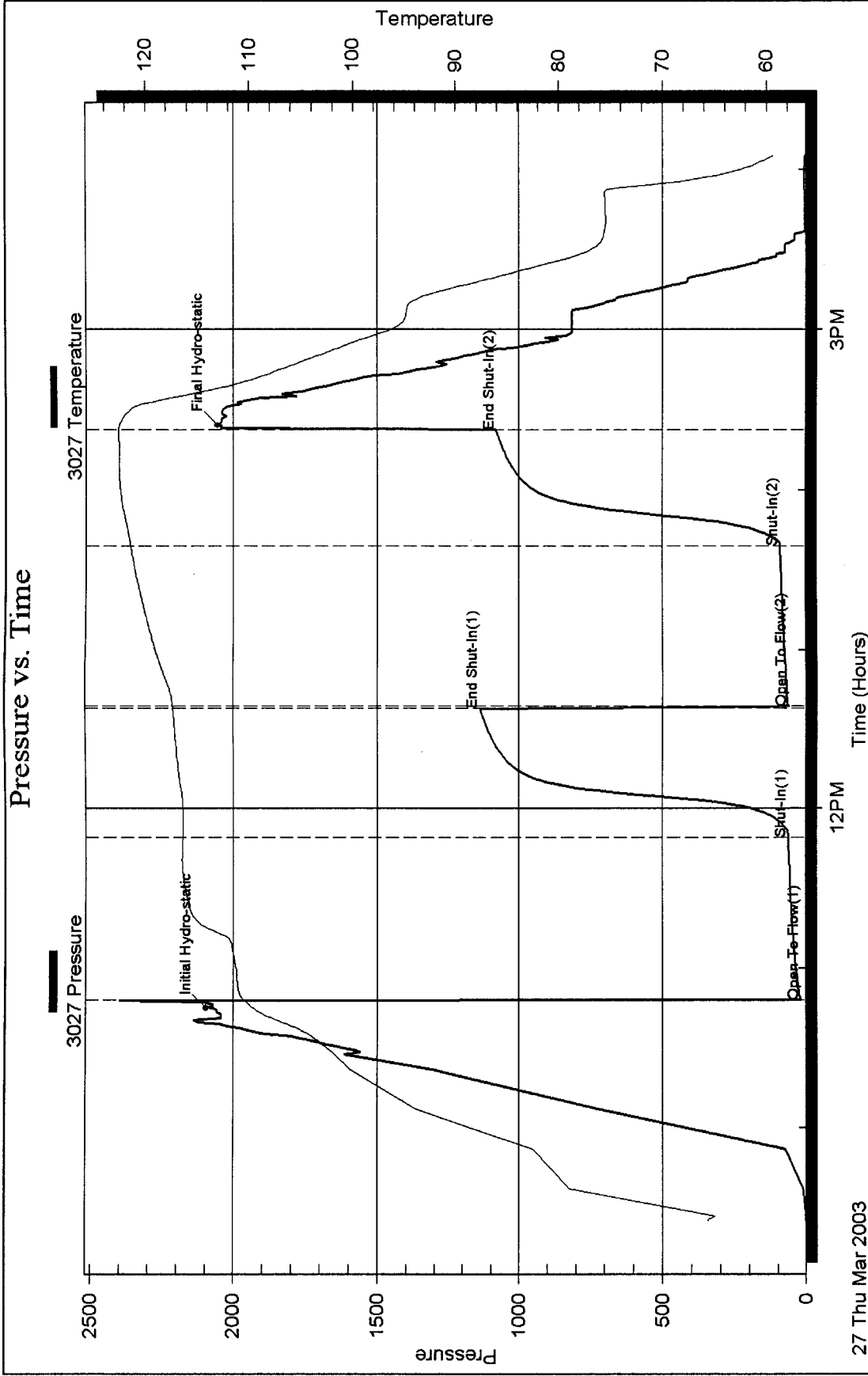
Inside

Castle Resources Inc.

17-11S-30W Gove KS.

DST Test Number: 2

Pressure vs. Time



27 Thu Mar 2003

12PM 3PM
Time (Hours)



DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc.**

P O Box 87
Schoenchen KS. 67667

ATTN: Jerry Green

17-11S-30W Gove KS.

Lockwood-Richmeier #1

Start Date: 2003.03.28 @ 06:14:34

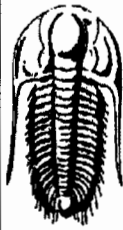
End Date: 2003.03.28 @ 12:45:04

Job Ticket #: 16200 DST #: 3

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.
P O Box 87
Schoenchen KS. 67667
ATTN: Jerry Green

Lockwood-Richmeier #1
17-11S-30W Gove KS.
Job Ticket: 16200 **DST#: 3**
Test Start: 2003.03.28 @ 06:14:34

GENERAL INFORMATION:

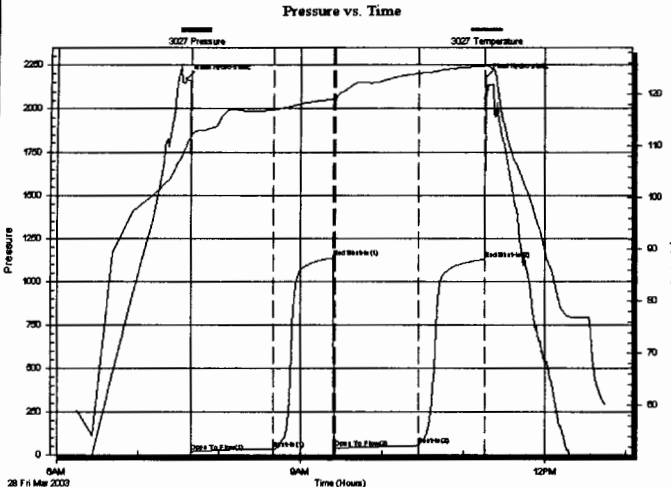
Formation: **Pawnee**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 07:39:19
Time Test Ended: 12:45:04
Interval: **4357.00 ft (KB) To 4410.00 ft (KB) (TVD)**
Total Depth: **4410.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**
Test Type: **Conventional Bottom Hole**
Tester: **Rod Steinbrink**
Unit No: **22**
Reference Elevations: **2905.00 ft (KB)**
2900.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 3027

Inside

Press@RunDepth: **51.99 psig @ 4358.00 ft (KB)**
Start Date: **2003.03.28** End Date: **2003.03.28** Capacity: **7000.00 psig**
Start Time: **06:14:39** End Time: **12:45:03** Last Calib.: **1899.12.30**
Time On Btm: **2003.03.28 @ 07:35:49**
Time Off Btm: **2003.03.28 @ 11:16:49**

TEST COMMENT: IF; Weak surface blow slowly built to 3"
IS; No return
FF; Weak return in 5 mins built to 1"
FSI; No return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2172.69	109.91	Initial Hydro-static
4	16.56	112.12	Open To Flow (1)
65	35.09	117.02	Shut-In(1)
109	1135.32	119.06	End Shut-In(1)
110	37.17	119.15	Open To Flow(2)
171	51.99	123.93	Shut-In(2)
220	1126.33	125.35	End Shut-In(2)
221	2181.85	125.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	Oil Specked Mud	1.05

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc.
P O Box 87
Schoenchen KS. 67667
ATTN: Jerry Green

Lockwood-Richmeier #1
17-11S-30W Gove KS.
Job Ticket: 16200 **DST#: 3**
Test Start: 2003.03.28 @ 06:14:34

Tool Information

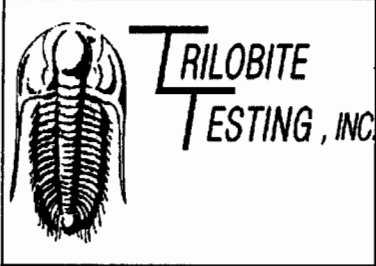
Drill Pipe:	Length: 4342.00 ft	Diameter: 3.80 inches	Volume: 60.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.91 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	5.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	4357.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	53.00 ft			
Tool Length:	73.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			4342.00	
Hydraulic tool	5.00			4347.00	
Packer	5.00			4352.00	20.00 Bottom Of Top Packer
Packer	5.00			4357.00	
Stubb	1.00			4358.00	
Recorder	0.00	3027	inside	4358.00	
Perforations	14.00			4372.00	
Change Over Sub	1.00			4373.00	
Anchor	31.00			4404.00	
Change Over Sub	1.00			4405.00	
Recorder	0.00	13371	Outside	4405.00	
Bullnose	5.00			4410.00	53.00 Bottom Packers & Anchor

Total Tool Length: 73.00



DRILL STEM TEST REPORT **FLUID SUMMARY**

Castle Resources Inc.	Lockwood-Richmeier #1
P O Box 87	17-11S-30W Gove KS.
Schoenchen KS. 67667	Job Ticket: 16200 DST#: 3
ATTN: Jerry Green	Test Start: 2003.03.28 @ 06:14:34

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil Apt:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3200.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
75.00	Oil Specked Mud	1.052

Total Length: 75.00 ft Total Volume: 1.052 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 3027

Castle Resources Inc.

17-11S-30W Gove KS.

Inside

DST Test Number: 3

Pressure vs. Time

