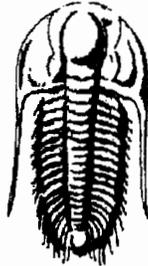


RECEIVED
KANSAS CORPORATION COMMISSION

JUL 15 2005

CONSERVATION DIVISION
WICHITA, KS

ORIGINAL



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

P O Box 87
Schoenchen Ks 67667

ATTN: Jerry Green

23-14s-17w Ellis

J&A #1

Start Date: 2005.02.19 @ 12:26:17

End Date: 2005.02.19 @ 18:15:46

Job Ticket #: 20794 DST #: 1

15-051-25390-00-00

SW NW NE

890 FNL 2310 FEL

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Castle Resources Inc

J&A #1

23-14s-17w Ellis

DST # 1

LKC A-B

2005.02.19



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

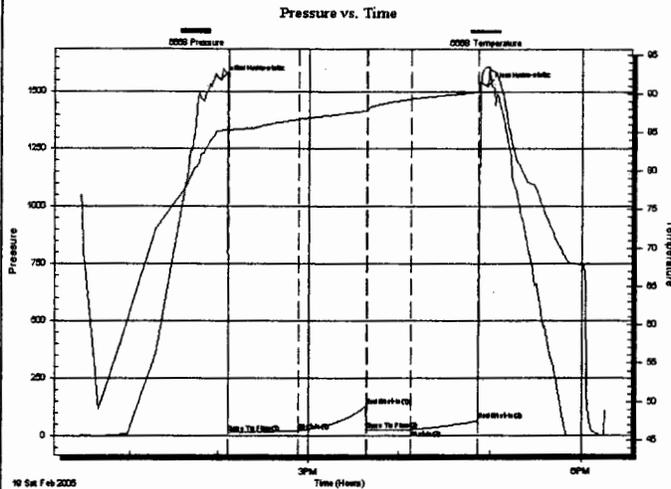
J&A #1
23-14s-17w Ellis
Job Ticket: 20794 **DST#: 1**
Test Start: 2005.02.19 @ 12:26:17

GENERAL INFORMATION:

Formation: **LKC A-B**
Deviated: **No Whipstock** ft (KB)
Time Tool Opened: 14:06:46
Time Test Ended: 18:15:46
Test Type: **Conventional Bottom Hole**
Tester: **Ray Schwager**
Unit No: **28**
Interval: **3231.00 ft (KB) To 3283.00 ft (KB) (TVD)**
Reference Elevations: 1971.00 ft (KB)
Total Depth: **3283.00 ft (KB) (TVD)** 1966.00 ft (CF)
Hole Diameter: **7.85 inches** Hole Condition: **Fair** KB to GR/CF: **5.00 ft**

Serial #: 6668 **Inside**
Press@RunDepth: **26.52 psig @ 3233.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.02.19** End Date: **2005.02.19** Last Calib.: **2005.02.19**
Start Time: **12:26:17** End Time: **18:15:46** Time On Btrr: **2005.02.19 @ 14:01:46**
Time Off Btrr: **2005.02.19 @ 16:57:46**

TEST COMMENT: **IFP-w k bl thru-out 1/4"bl**
FFP-surface bl thru-out
Times 45-45-30-45



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1551.03	85.12	Initial Hydro-static
5	13.78	85.21	Open To Flow (1)
52	21.59	86.64	Shut-in(1)
97	130.82	87.75	End Shut-in(1)
97	24.97	87.74	Open To Flow (2)
127	26.52	89.25	Shut-in(2)
171	64.89	90.20	End Shut-in(2)
176	1524.95	93.42	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	mud w/show of oil	0.56

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

J&A #1

P O Box 87
Schoenchen Ks 67667

23-14s-17w Ellis

Job Ticket: 20794

DST#: 1

ATTN: Jerry Green

Test Start: 2005.02.19 @ 12:26:17

Tool Information

Drill Pipe:	Length: 3230.00 ft	Diameter: 3.80 inches	Volume: 45.31 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: 60000.00 lb
			<u>Total Volume: 45.31 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3231.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	52.02 ft			
Tool Length:	73.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3211.00	
Shut In Tool	5.00			3216.00	
Hydraulic tool	5.00			3221.00	
Packer	5.00			3226.00	21.00 Bottom Of Top Packer
Packer	5.00			3231.00	
Stubb	1.00			3232.00	
Perforations	1.00			3233.00	
Recorder	0.01	6668	Inside	3233.01	
Blank Spacing	30.00			3263.01	
Perforations	17.00			3280.01	
Recorder	0.01	13534	Outside	3280.02	
Bullnose	3.00			3283.02	52.02 Bottom Packers & Anchor

Total Tool Length: 73.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

J&A #1

P O Box 87
Schoenchen Ks 67667

23-14s-17w Ellis

Job Ticket: 20794

DST#: 1

ATTN: Jerry Green

Test Start: 2005.02.19 @ 12:26:17

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: 8.93 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	mud w/show of oil	0.561

Total Length: 40.00 ft

Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

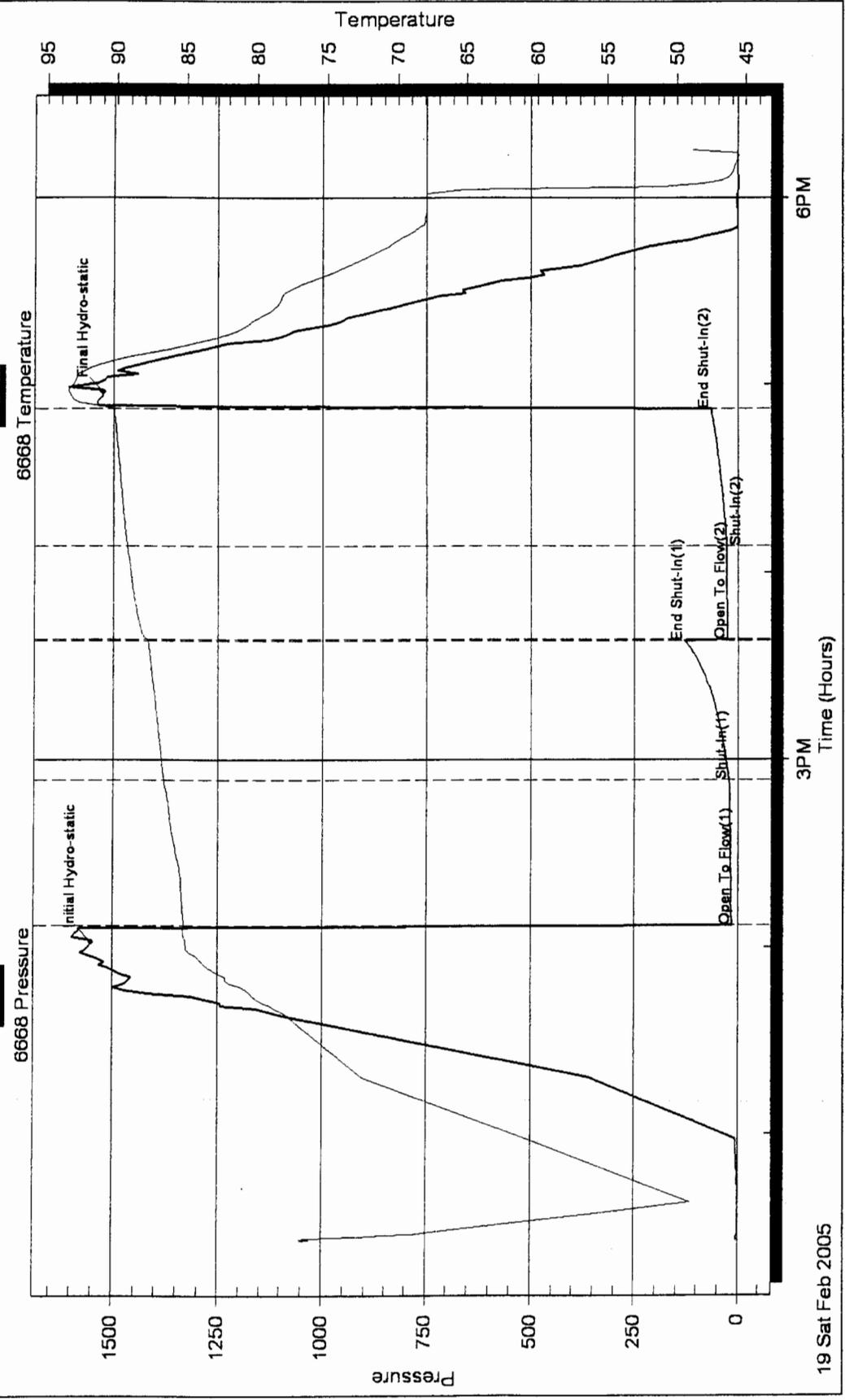
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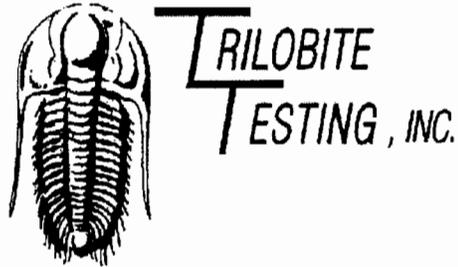
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

P O Box 87
Schoenchen Ks 67667

ATTN: Jerry Green

23-14s-17w Ellis

J&A #1

Start Date: 2005.02.20 @ 11:46:11

End Date: 2005.02.20 @ 17:33:10

Job Ticket #: 20795 DST #: 2

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

Castle Resources Inc

J&A #1

23-14s-17w Ellis

DST # 2

Arbuckle

2005.02.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

J&A #1

P O Box 87
Schoenchen Ks 67667

23-14s-17w Ellis

Job Ticket: 20795

DST#: 2

ATTN: Jerry Green

Test Start: 2005.02.20 @ 11:46:11

Tool Information

Drill Pipe:	Length: 3475.00 ft	Diameter: 3.80 inches	Volume: 48.75 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: 60000.00 lb
			<u>Total Volume: 48.75 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3474.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	46.02 ft			
Tool Length:	67.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3454.00	
Shut In Tool	5.00			3459.00	
Hydraulic tool	5.00			3464.00	
Packer	5.00			3469.00	21.00 Bottom Of Top Packer
Packer	5.00			3474.00	
Stubb	1.00			3475.00	
Perforations	6.00			3481.00	
Recorder	0.01	6668	Inside	3481.01	
Perforations	4.00			3485.01	
Recorder	0.01	13534	Outside	3485.02	
Blank Spacing	30.00			3515.02	
Bullnose	5.00			3520.02	46.02 Bottom Packers & Anchor

Total Tool Length: 67.02



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

J&A #1

P O Box 87
Schoenchen Ks 67667

23-14s-17w Ellis

Job Ticket: 20795

DST#: 2

ATTN: Jerry Green

Test Start: 2005.02.20 @ 11:46:11

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: 8.92 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
25.00	mud w/gd show	0.351

Total Length: 25.00 ft

Total Volume: 0.351 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

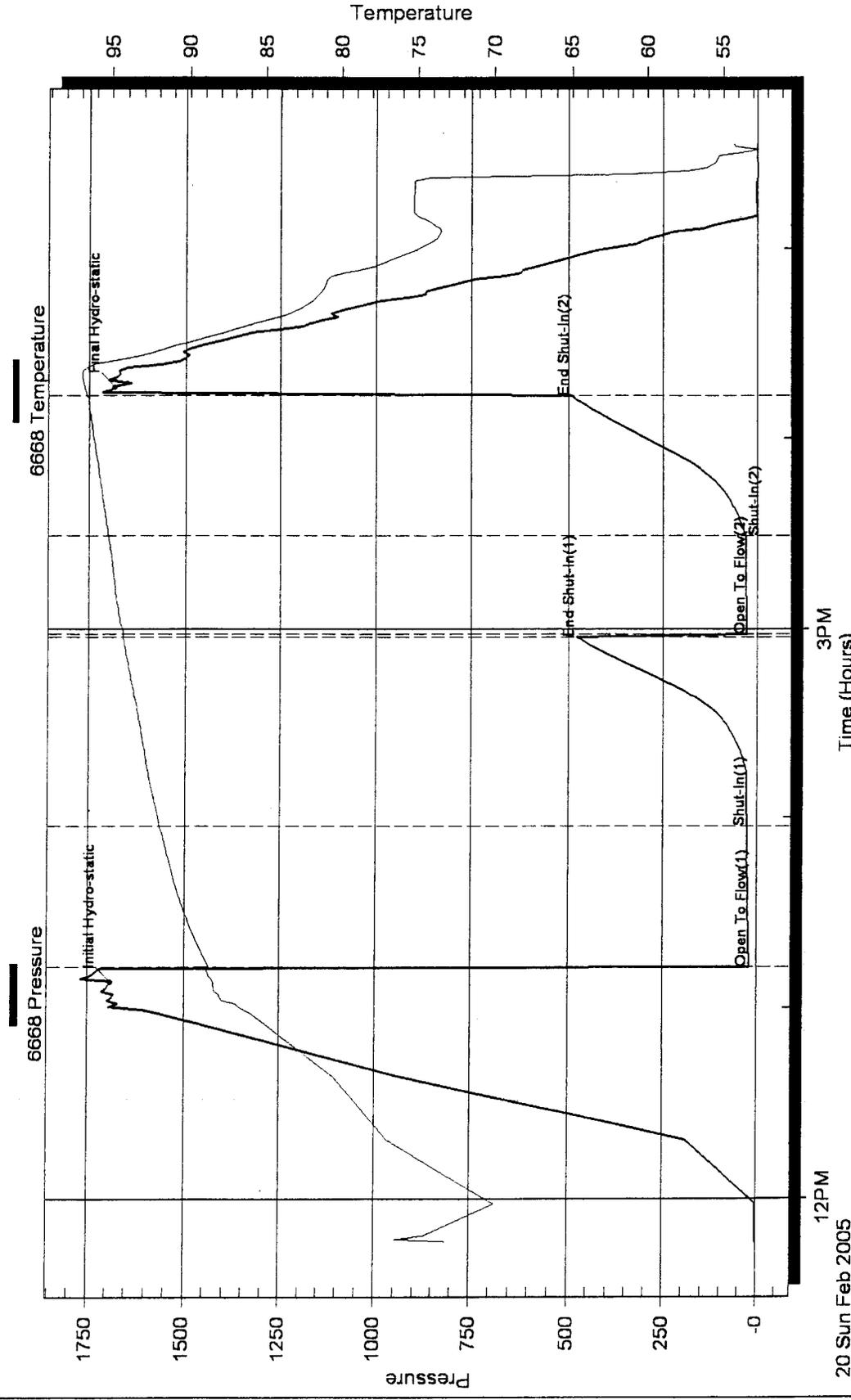
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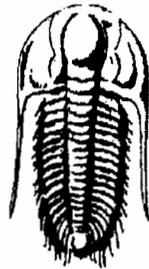
Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

P O Box 87
Schoenchen Ks 67667

ATTN: Jerry Green

23-14s-17w Ellis

J&A #1

Start Date: 2005.02.20 @ 22:59:14

End Date: 2005.02.21 @ 04:44:43

Job Ticket #: 20796 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Castle Resources Inc

J&A #1

23-14s-17w Ellis

DST # 3

Arbuckle

2005.02.20



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

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

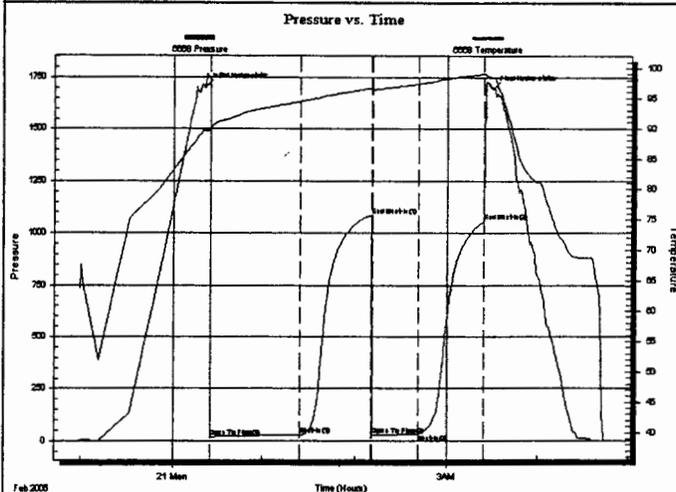
J&A #1
23-14s-17w Ellis
Job Ticket: 20796 **DST#: 3**
Test Start: 2005.02.20 @ 22:59:14

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock** ft (KB)
Test Type: **Conventional Bottom Hole**
Time Tool Opened: **00:24:43**
Tester: **Ray Schwager**
Time Test Ended: **04:44:43**
Unit No: **28**
Interval: **3514.00 ft (KB) To 3529.00 ft (KB) (TVD)**
Reference Elevations: **1971.00 ft (KB)**
Total Depth: **3529.00 ft (KB) (TVD)**
1966.00 ft (CF)
Hole Diameter: **7.85 inches** Hole Condition: **Fair**
KB to GR/CF: **5.00 ft**

Serial #: 6668 **Inside**
Press@RunDepth: **32.25 psig @ 3515.01 ft (KB)** Capacity: **7000.00 psig**
Start Date: **2005.02.20** End Date: **2005.02.21** Last Calib.: **2005.02.21**
Start Time: **22:59:14** End Time: **04:44:43** Time On Btrn: **2005.02.21 @ 00:21:13**
Time Off Btrn: **2005.02.21 @ 03:30:13**

TEST COMMENT: **IFP-w k bl thru-out 1/2" to 3/4" bl**
FFP-no bl
Times 60-45-30-45



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.94	89.65	Initial Hydro-static
4	18.99	89.83	Open To Flow (1)
63	27.17	94.40	Shut-In(1)
109	1086.09	96.60	End Shut-In(1)
109	26.60	96.43	Open To Flow (2)
139	32.25	97.34	Shut-In(2)
183	1054.88	99.02	End Shut-In(2)
189	1696.98	98.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM 8%oil 92%mud	0.42

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

J&A #1

P O Box 87
Schoenchen Ks 67667

23-14s-17w Ellis

Job Ticket: 20796

DST#: 3

ATTN: Jerry Green

Test Start: 2005.02.20 @ 22:59:14

Tool Information

Drill Pipe:	Length: 3507.00 ft	Diameter: 3.80 inches	Volume: 49.19 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: 60000.00 lb
			<u>Total Volume: 49.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	3514.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.02 ft			
Tool Length:	36.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3494.00	
Shut In Tool	5.00			3499.00	
Hydraulic tool	5.00			3504.00	
Packer	5.00			3509.00	21.00 Bottom Of Top Packer
Packer	5.00			3514.00	
Stubb	1.00			3515.00	
Recorder	0.01	6668	Inside	3515.01	
Perforations	11.00			3526.01	
Recorder	0.01	13534	Outside	3526.02	
Bullnose	3.00			3529.02	15.02 Bottom Packers & Anchor
Total Tool Length:	36.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc

J&A #1

P O Box 87
Schoenchen Ks 67667

23-14s-17w Ellis

Job Ticket: 20796

DST#: 3

ATTN: Jerry Green

Test Start: 2005.02.20 @ 22:59:14

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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM 8%oil 92%mud	0.421

Total Length: 30.00 ft Total Volume: 0.421 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

