

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

Po Box 87
Schoenchen KS 67667-0087

ATTN: Jerry Green

26 16S 20W Rush KS

Eisenhour #1

Start Date: 2010.03.13 @ 11:33:52

End Date: 2010.03.13 @ 18:34:52

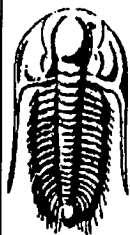
Job Ticket #: 38479 DST #: 1

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Trilobite Testing, Inc

PO Box 1733 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 67667-0087

ATTN: Jerry Green

Eisenhour #1
26 16S 20W Rush KS
Job Ticket: 38479 DST#: 1
Test Start: 2010.03.13 @ 11:33:52

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:50:22
Time Test Ended: 18:34:52

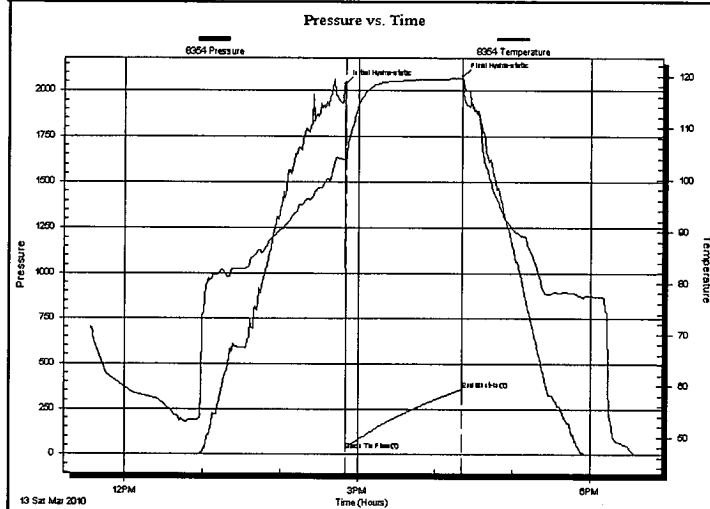
Interval: **3970.00 ft (KB) To 3996.00 ft (KB) (TVD)**
Total Depth: **3996.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Good**

Test Type: **Conventional Bottom Hole**
Tester: **Jeff Brown**
Unit No: **38**

Reference Elevations: **2164.00 ft (KB)**
2156.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8354 **Inside**
Press@RunDepth: **357.12 psig @ 3971.00 ft (KB)**
Start Date: **2010.03.13** End Date: **2010.03.13**
Start Time: **11:33:53** End Time: **18:34:52**
Capacity: **8000.00 psig**
Last Calib.: **2010.03.13**
Time On Btm: **2010.03.13 @ 14:49:52**
Time Off Btm: **2010.03.13 @ 16:20:52**

TEST COMMENT: IFP- Fair blow built to bob in 11 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.23	103.97	Initial Hydro-static
1	23.84	103.00	Open To Flow (1)
91	357.12	119.53	End Shut-In(1)
91	2078.59	120.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
64.00	Muddy water with a scum of oil 20%W	800.62
692.00	WM 15%W 85%W	9.71

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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TRILOBITE
TESTING, INC

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

Eisenhour #1

Po Box 87
Schoenchen KS 67667-0087

26 16S 20W Rush KS

Job Ticket: 38479

DST#: 1

ATTN: Jerry Green

Test Start: 2010.03.13 @ 11:33:52

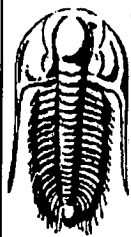
Tool Information

Drill Pipe:	Length: 3935.00 ft	Diameter: 3.80 inches	Volume: 55.20 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	40000.00 lb
		Total Volume:	55.35 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	30000.00 lb
Depth to Top Packer:	3970.00 ft			Final	33000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	26.00 ft				
Tool Length:	55.00 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			3942.00	
Shut In Tool	5.00			3947.00	
Hydraulic tool	5.00			3952.00	
Jars	5.00			3957.00	
Safety Joint	3.00			3960.00	
Packer	5.00			3965.00	29.00 Bottom Of Top Packer
Packer	5.00			3970.00	
Stubb	1.00			3971.00	
Recorder	0.00	8354	Inside	3971.00	
Recorder	0.00	8520	Outside	3971.00	
Anchor	22.00			3993.00	
Bullnose	3.00			3996.00	26.00 Bottom Packers & Anchor

Total Tool Length: 55.00



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FLUID SUMMARY

Castle Resources Inc
Po Box 87
Schoenchen KS 67667-0087
ATTN: Jerry Green

Eisenhour #1
26 16S 20W Rush KS
Job Ticket: 38479 DST#: 1
Test Start: 2010.03.13 @ 11:33:52

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 58.00 sec/qt
Water Loss: 8.38 in³
Resistivity: ohm.m
Salinity: ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: 15000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
64.00	Muddy water with a scum of oil 20%W80%M	0.624
692.00	WM 15%M85%W	9.707

Total Length: 756.00 ft Total Volume: 10.331 bbl

Num Fluid Samples: 0

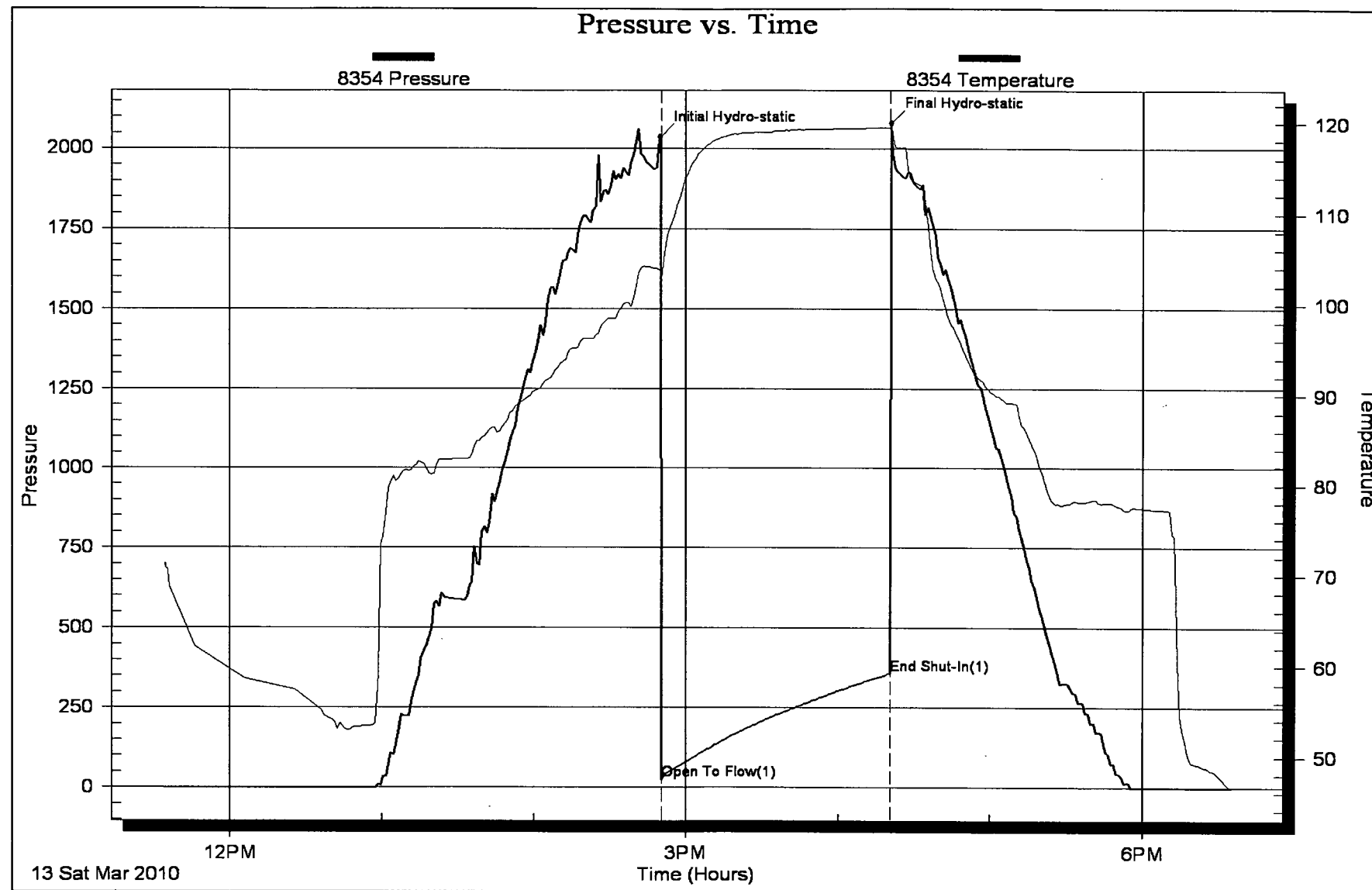
Num Gas Bombs: 0

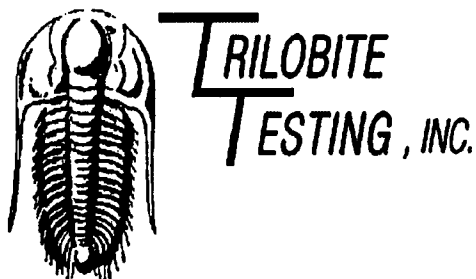
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .23 @ 55F = 15000 ppm chlorides





DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

Po Box 87
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ATTN: Jerry Green

26 16S 20W Rush KS

Eisenhour #1

Start Date: 2010.03.14 @ 11:48:02

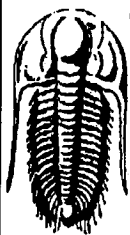
End Date: 2010.03.14 @ 17:05:53

Job Ticket #: 38480 DST #: 2

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DRILL STEM TEST REPORT

Castle Resources Inc
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ATTN: Jerry Green

Eisenhour #1
26 16S 20W Rush KS
Job Ticket: 38480 DST#: 2
Test Start: 2010.03.14 @ 11:48:02

GENERAL INFORMATION:

Formation: **Cherokee sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:00:53
Time Test Ended: 17:05:53

Test Type: Conventional Straddle
Tester: Jeff Brown/Brian Fai
Unit No: 38

Interval: **4001.00 ft (KB) To 4009.00 ft (KB) (TVD)**
Total Depth: 4100.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2164.00 ft (KB)
2156.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8520

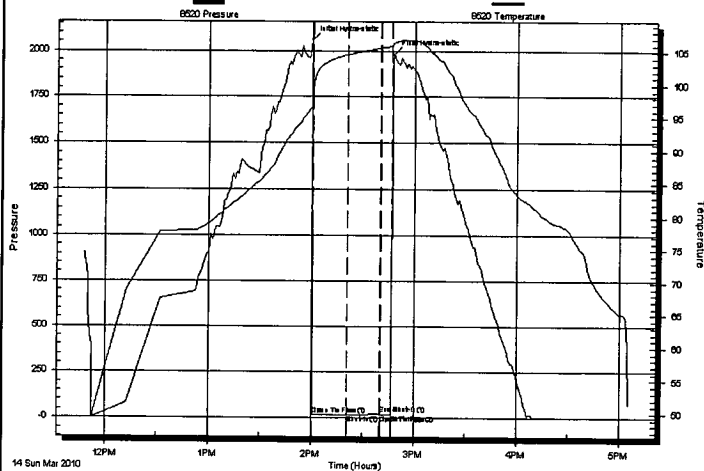
Outside

Press@RunDepth: 18.40 psig @ 4002.00 ft (KB)
Start Date: 2010.03.14 End Date: 2010.03.14
Start Time: 11:48:03 End Time: 17:05:53

Capacity: 8000.00 psig
Last Calib.: 2010.03.14
Time On Btm: 2010.03.14 @ 14:00:23
Time Off Btm: 2010.03.14 @ 14:47:53

TEST COMMENT: IFP-Weak blow built to a 1/4 in died back to a weak surface blow
ISL-Dead no blow back
FFP-Dead no blow

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2057.61	96.71	Initial Hydro-static
1	17.41	99.03	Open To Flow (1)
21	18.40	104.67	Shut-In(1)
40	20.53	105.68	End Shut-In(1)
40	18.11	105.70	Open To Flow (2)
47	17.74	105.99	Shut-In(2)
48	1979.48	106.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	MUD	0.00

Gas Rates

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

Castle Resources Inc

Eisenhour #1

Po Box 87
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26 16S 20W Rush KS

Job Ticket: 38480

DST#: 2

ATTN: Jerry Green

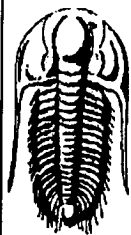
Test Start: 2010.03.14 @ 11:48:02

Tool Information

Drill Pipe:	Length: 3967.00 ft	Diameter: 3.80 inches	Volume: 55.65 bbl	Tool Weight:	3000.00 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: 30.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	38000.00 lb
		Total Volume:	55.80 bbl	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	32000.00 lb
Depth to Top Packer:	4001.00 ft			Final	32000.00 lb
Depth to Bottom Packer:	4009.00 ft				
Interval between Packers:	8.00 ft				
Tool Length:	132.00 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			3973.00	
Shut In Tool	5.00			3978.00	
Hydraulic tool	5.00			3983.00	
Jars	5.00			3988.00	
Safety Joint	3.00			3991.00	
Packer	5.00			3996.00	29.00 Bottom Of Top Packer
Packer	5.00			4001.00	
Stubb	1.00			4002.00	
Recorder	0.00	8520	Outside	4002.00	
Anchor	2.00			4004.00	
Blank Off Sub	1.00			4005.00	
Blank Spacing	4.00			4009.00	8.00 Tool Interval
Packer	5.00			4014.00	
Recorder	0.00	8653	Below	4014.00	
Perforations	4.00			4018.00	
Change Over Sub	1.00			4019.00	
Blank Spacing	61.00			4080.00	
Change Over Sub	1.00			4081.00	
Perforations	20.00			4101.00	
Bullnose	3.00			4104.00	95.00 Bottom Packers & Anchor
Total Tool Length:		132.00			



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Job Ticket: 38480

DST#: 2

ATTN: Jerry Green

Test Start: 2010.03.14 @ 11:48:02

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: 58.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	MUD	0.005

Total Length: 1.00 ft

Total Volume: 0.005 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

