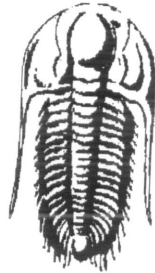


24-08-29W KGS ✓



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Prepared For: **Castle Resources Inc**  
PO Box 87  
Schoenchen, KS 67667

ATTN: Jerry Green

**24 8 29 Sheridan Ks**

**Irene #1**

Start Date: 2008.10.22 @ 19:16:00

End Date: 2008.10.23 @ 05:50:30

Job Ticket #: 33436                      DST #: 1

RECEIVED  
MAR 16 2009  
KCC WICHITA

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Castle Resources Inc

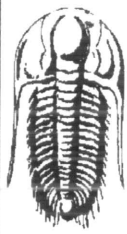
Irene #1

24 8 29 Sheridan Ks

DST # 1

LKC "J"

2008.10.22



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources Inc  
 PO Box 87  
 Schoenchen, KS 67667  
 ATTN: Jerry Green

**Irene #1**  
**24 8 29 Sheridan Ks**  
 Job Ticket: 33436 **DST#: 1**  
 Test Start: 2008.10.22 @ 19:16:00

## GENERAL INFORMATION:

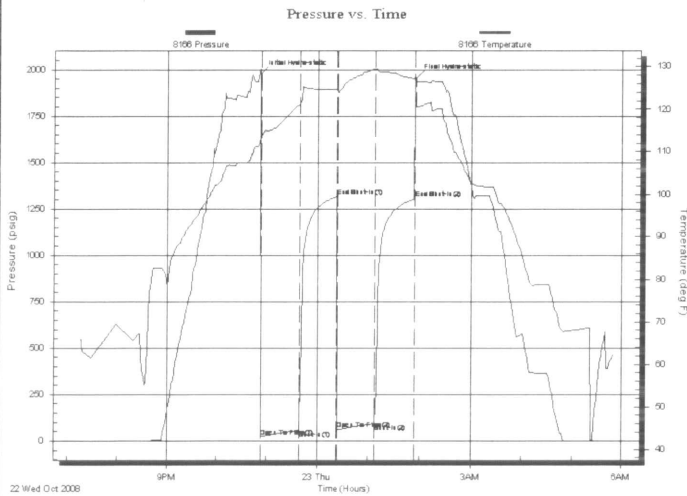
Formation: **LKC "J"**  
 Deviated: No Whipstock: ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 22:53:00  
 Tester: James Winder  
 Time Test Ended: 05:50:30  
 Unit No: 30  
 Interval: **4037.00 ft (KB) To 4095.00 ft (KB) (TVD)**  
 Reference Elevations: 2738.00 ft (KB)  
 Total Depth: 4095.00 ft (KB) (TVD)  
 2733.00 ft (CF)  
 Hole Diameter: 7.88 inches  
 Hole Condition: Fair  
 KB to GR/CF: 5.00 ft

## Serial #: 8166

Inside

Press@RunDepth: 92.45 psig @ 4038.00 ft (KB)  
 Capacity: 7000.00 psig  
 Start Date: 2008.10.22 End Date: 2008.10.23  
 Last Calib.: 2008.10.23  
 Start Time: 19:16:05 End Time: 05:50:30  
 Time On Btm: 2008.10.22 @ 22:52:30  
 Time Off Btm: 2008.10.23 @ 01:55:29

TEST COMMENT: IF: Fair blow , built to 6"  
 ISl: Bled off, No blow back  
 FF: Fair blow , built to 6"  
 FSl: Bled off, No blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1974.52	113.76	Initial Hydro-static
1	20.07	113.39	Open To Flow (1)
47	57.74	121.20	Shut-In (1)
91	1316.65	124.53	End Shut-In (1)
91	60.65	123.94	Open To Flow (2)
136	92.45	129.43	Shut-In (2)
182	1303.87	127.20	End Shut-In (2)
183	1954.46	120.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MWCW 75%w , 25%m	0.84
110.00	SMCW 92%w , 8%m	1.54
0.00	Chlorides = 24,000 ppm	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources Inc

**Irene #1**

PO Box 87  
Schoenchen, KS 67667

**24 8 29 Sheridan Ks**

Job Ticket: 33436

**DST#: 1**

ATTN: Jerry Green

Test Start: 2008.10.22 @ 19:16:00

## Tool Information

Drill Pipe:	Length: 3994.00 ft	Diameter: 3.80 inches	Volume: 56.03 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 31.00 ft	Diameter: 3.80 inches	Volume: 0.43 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 52000.00 lb
			<b>Total Volume: 56.46 bbl</b>	Tool Chased 0.00 ft
Drill Pipe Above KB:	8.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	4037.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 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			4022.00	
Hydraulic tool	5.00			4027.00	
Packer	5.00			4032.00	20.00
Packer	5.00			4037.00	Bottom Of Top Packer
Stubb	1.00			4038.00	
Recorder	0.00	8166	Inside	4038.00	
Recorder	0.00	8356	Inside	4038.00	
Perforations	18.00			4056.00	
Blank Spacing	31.00			4087.00	
Perforations	5.00			4092.00	
Bullnose	3.00			4095.00	58.00
<b>Total Tool Length:</b>	<b>78.00</b>				Bottom Packers & Anchor



**TRILOBITE**  
TESTING, INC

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources Inc

**Irene #1**

PO Box 87  
Schoenchen, KS 67667

**24 8 29 Sheridan Ks**

Job Ticket: 33436

**DST#: 1**

ATTN: Jerry Green

Test Start: 2008.10.22 @ 19:16:00

### 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:

bbbl

Water Loss: 9.57 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1300.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
60.00	MCW 75%w , 25%m	0.842
110.00	SMCW 92%w , 8%m	1.543
0.00	Chlorides = 24,000 ppm	0.000

Total Length: 170.00 ft      Total Volume: 2.385 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .350 @ 59.6F - chlorides 24000ppm

# Pressure vs. Time

