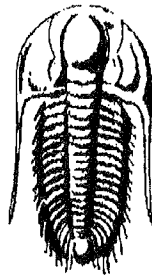


15-179-21244

32-8s-28w

IND



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87
Schoenchen, Ks 67667-0087

ATTN: Jerry Green

32 8s28w Sheridan KS

Clark#1

Start Date: 2009.12.05 @ 15:03:27

End Date: 2009.12.05 @ 23:23:57

Job Ticket #: 36736 DST #: 1

15-179-21244-0000

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

RECEIVED
FEB 19 2010
KCC WICHITA

Castle Resources Inc

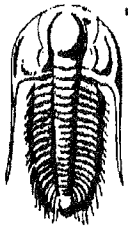
Clark#1

32 8s28w Sheridan KS

DST # 1

LKC "A"

2009.12.05



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Castle Resources Inc
 PO Box 87
 Schoenchen, Ks 67667-0087
 ATTN: Jerry Green

Clark#1
32 8s28w Sheridan KS
 Job Ticket: 36736 DST#: 1
 Test Start: 2009.12.05 @ 15:03:27

GENERAL INFORMATION:

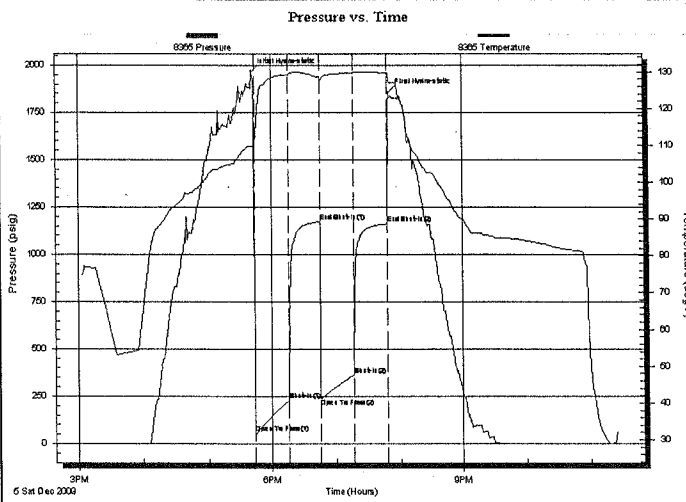
Formation: **LKC "A"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:43:57
 Time Test Ended: 23:23:57
 Test Type: Conventional Bottom Hole
 Tester: Ray Schwager
 Unit No: 42
 Interval: **3829.00 ft (KB) To 3846.00 ft (KB) (TVD)**
 Reference Elevations: 2737.00 ft (KB)
 Total Depth: 3846.00 ft (KB) (TVD)
 2732.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 KB to GR/CF: 5.00 ft

Serial #: 8365

Inside

Press@RunDepth: 363.46 psig @ 3830.01 ft (KB) Capacity: 8000.00 psig
 Start Date: 2009.12.05 End Date: 2009.12.05 Last Calib.: 2009.12.05
 Start Time: 15:03:32 End Time: 23:23:56 Time On Btm: 2009.12.05 @ 17:41:57
 Time Off Btm: 2009.12.05 @ 19:49:26

TEST COMMENT: IFP-strg bl in 2 min
 FFP-strg bl in 3 min
 Times 30-30-30-30
 ISIP-2"bl bk , FSIP-1 1/2"bl bk



PRESSURE SUMMARY

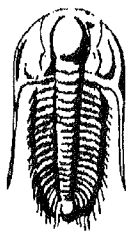
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1965.01	109.83	Initial Hydro-static
2	56.94	110.21	Open To Flow (1)
34	228.57	129.17	Shut-In (1)
63	1173.30	128.31	End Shut-In (1)
64	238.38	127.89	Open To Flow (2)
95	363.46	129.69	Shut-In (2)
127	1161.74	129.51	End Shut-In (2)
128	1856.28	127.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	820'GIP	0.00
600.00	CO	8.42
215.00	MGO 15%G10%M75%O	3.02
154.00	SOCW 1%O99%W	2.16

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Castle Resources Inc

Clark#1

PO Box 87
Schoenchen, Ks 67667-0087

32 8s28w Sheridan KS

Job Ticket: 36736

DST#: 1

ATTN: Jerry Green

Test Start: 2009.12.05 @ 15:03:27

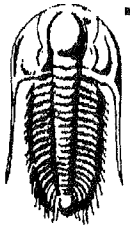
Tool Information

Drill Pipe:	Length: 3828.00 ft	Diameter: 3.80 inches	Volume: 53.70 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
			<u>Total Volume: 53.70 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 31000.00 lb
Depth to Top Packer:	3829.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	17.02 ft			
Tool Length:	38.02 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3809.00	
Shut In Tool	5.00			3814.00	
Hydraulic tool	5.00			3819.00	
Packer	5.00			3824.00	21.00 Bottom Of Top Packer
Packer	5.00			3829.00	
Stubb	1.00			3830.00	
Recorder	0.01	8365	Inside	3830.01	
Recorder	0.01	6625	Outside	3830.02	
Perforations	13.00			3843.02	
Bullnose	3.00			3846.02	17.02 Bottom Packers & Anchor
Total Tool Length:	38.02				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Castle Resources Inc
PO Box 87
Schoenchen, Ks 67667-0087

ATTN: Jerry Green

Clark#1
32 8s28w Sheridan KS
Job Ticket: 36736 **DST#: 1**
Test Start: 2009.12.05 @ 15:03:27

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 36 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 33000 ppm
Viscosity: 49.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.18 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 500.00 ppm		
Filter Cake: 2.00 inches		

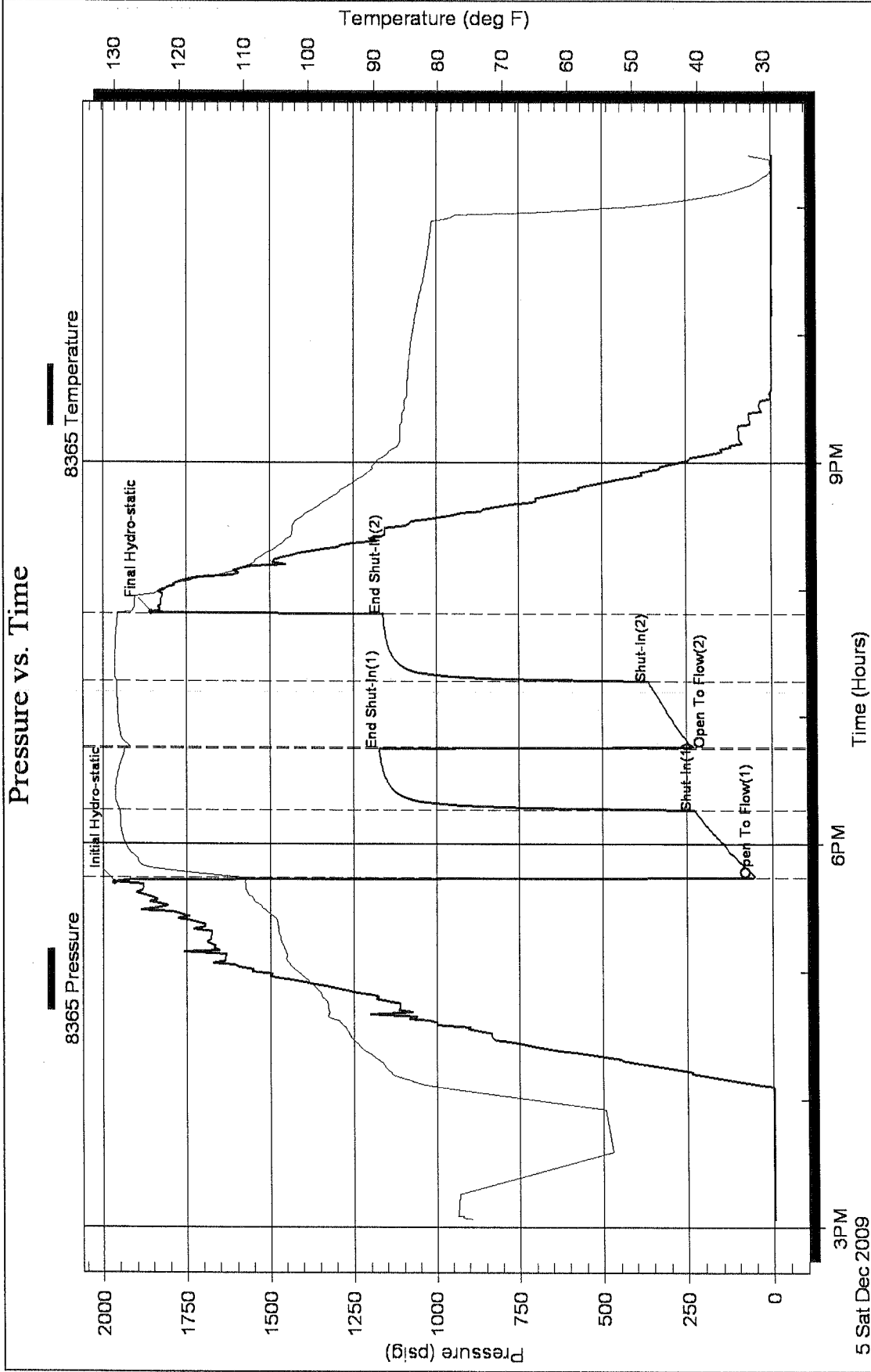
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	820'GIP	0.000
600.00	CO	8.416
215.00	MGO 15%G10%M75%O	3.016
154.00	SOCW 1%O99%W	2.160

Total Length: 969.00 ft Total Volume: 13.592 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .26@55F

Pressure vs. Time



5 Sat Dec 2009 3PM

6PM

9PM