

**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87  
Schoenchen KS 67567

ATTN: Jerry Green

**13 17 22 Ness KS**

**Albers # 1**

Start Date: 2007.06.06 @ 15:36:12

End Date: 2007.06.06 @ 23:09:42

Job Ticket #: 25874                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Castle Resources Inc

Albers # 1

13 17 22 Ness KS

DST # 1

Mississippi

2007.06.06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources Inc  
PO Box 87  
Schoenchen KS 67567  
ATTN: Jerry Green

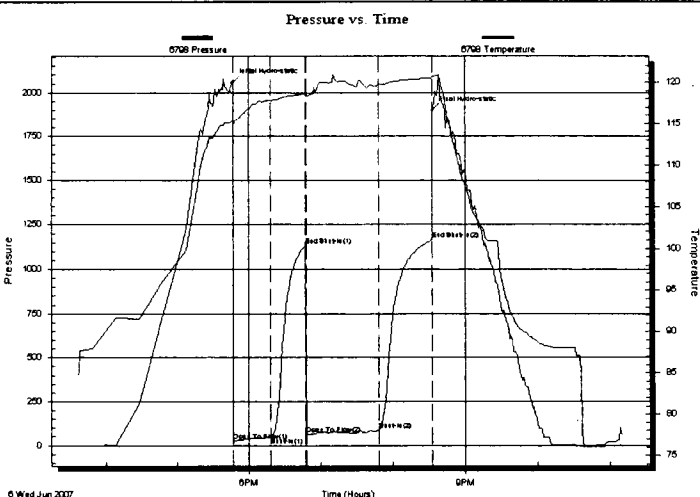
**Albers # 1**  
**13 17 22 Ness KS**  
Job Ticket: 25874      **DST#: 1**  
Test Start: 2007.06.06 @ 15:36:12

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 17:47:42  
Time Test Ended: 23:09:42  
Interval: **4206.00 ft (KB) To 4267.00 ft (KB) (TVD)**  
Total Depth: 4300.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Straddle  
Tester: Jerry Adams  
Unit No: 36  
Reference Elevations: 2270.00 ft (KB)  
2265.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6798      Inside**  
Press@RunDepth: 85.14 psig @ 4208.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.06.06      End Date: 2007.06.06      Last Calib.: 2007.06.06  
Start Time: 15:36:17      End Time: 23:09:41      Time On Btm: 2007.06.06 @ 17:47:12  
Time Off Btm: 2007.06.06 @ 20:32:41

TEST COMMENT: IF Weak blow Built to 1/2 "  
ISI No blow  
FF Weak surface blow Flush tool after 5 mins. Weak blow . Built to 11/2 " Flush tool after 20 mins. Weak blow . Built to 3 1/4 "



## PRESSURE SUMMARY

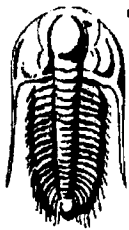
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	2056.62	115.29	Initial Hydro-static
1	24.78	114.98	Open To Flow(1)
32	45.24	117.80	Shut-In(1)
61	1134.30	118.57	End Shut-In(1)
62	61.13	118.33	Open To Flow(2)
121	85.14	119.69	Shut-In(2)
165	1164.64	120.52	End Shut-In(2)
166	1897.92	120.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
155.00	G&OCM 10%G 20%O 70%M	1.04
0.00	30' GIP	0.00
0.00		0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources Inc  
 PO Box 87  
 Schoenchen KS 67567  
 ATTN: Jerry Green

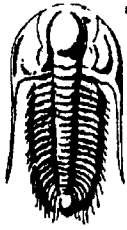
**Albers # 1**  
**13 17 22 Ness KS**  
 Job Ticket: 25874      **DST#: 1**  
 Test Start: 2007.06.06 @ 15:36:12

**Tool Information**

Drill Pipe:	Length: 4067.00 ft	Diameter: 3.80 inches	Volume: 57.05 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: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 57.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4206.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	4267.00 ft			
Interval between Packers:	61.00 ft			
Tool Length:	118.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4191.00	
Hydraulic tool	5.00			4196.00	
Packer	5.00			4201.00	20.00      Bottom Of Top Packer
Packer	5.00			4206.00	
Stubb	1.00			4207.00	
Change Over Sub	1.00			4208.00	
Recorder	0.00	6798	Inside	4208.00	
Blank Spacing	32.00			4240.00	
Change Over Sub	1.00			4241.00	
Perforations	25.00			4266.00	
Recorder	0.00	13400	Outside	4266.00	
Blank Off Sub	1.00			4267.00	61.00      Tool Interval
Packer	4.00			4271.00	
Stubb	2.00			4273.00	
Change Over Sub	1.00			4274.00	
Recorder	0.00	13249	Below	4274.00	
Blank Spacing	30.00			4304.00	37.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>118.00</b>				



**TRILOBITE**  
TESTING, INC

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Castle Resources Inc  
PO Box 87  
Schoenchen KS 67567  
ATTN: Jerry Green

**Albers # 1**  
**13 17 22 Ness KS**  
Job Ticket: 25874      **DST#: 1**  
Test Start: 2007.06.06 @ 15:36:12

## 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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: 0.02 inches			

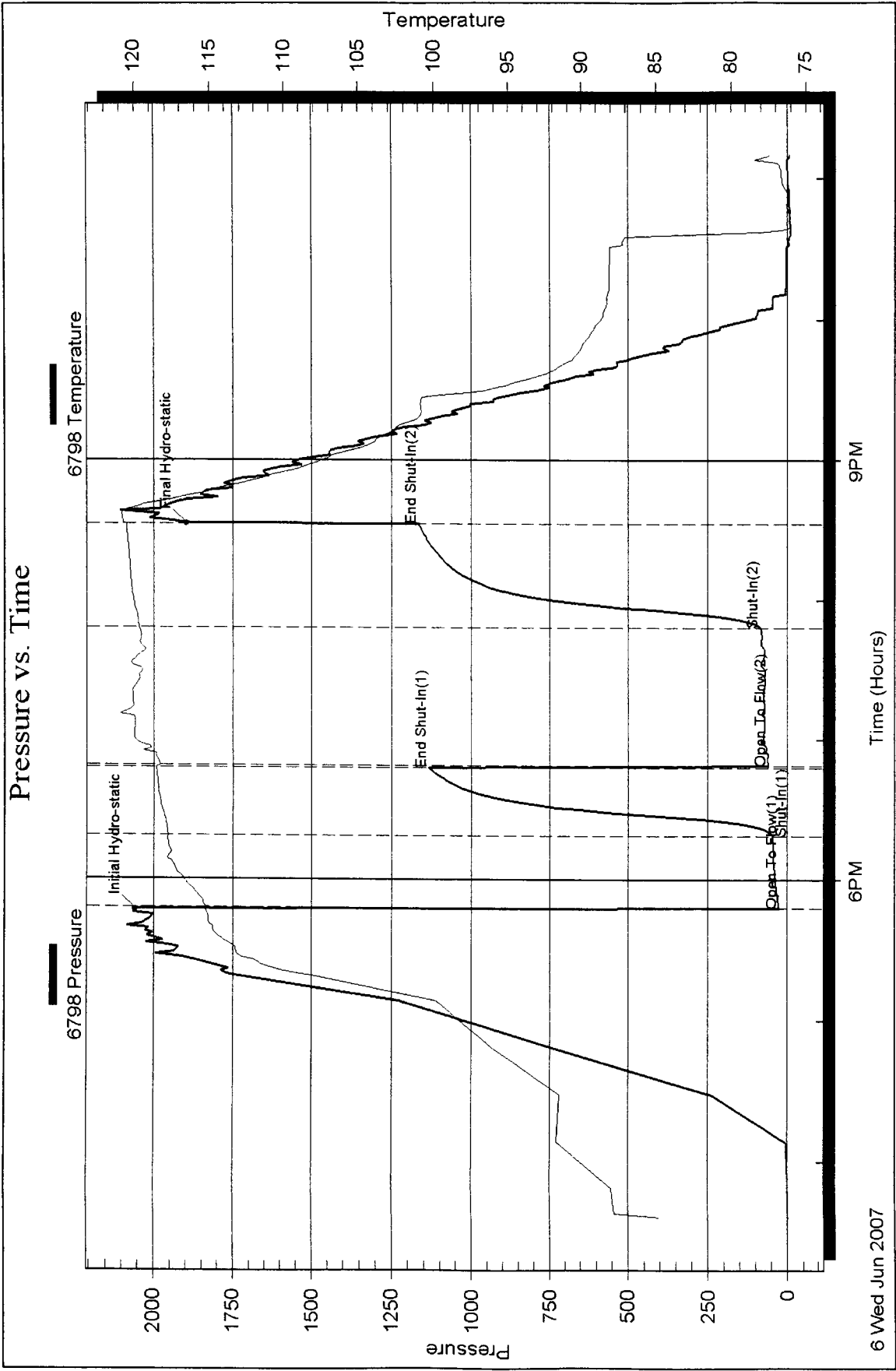
## Recovery Information

Recovery Table

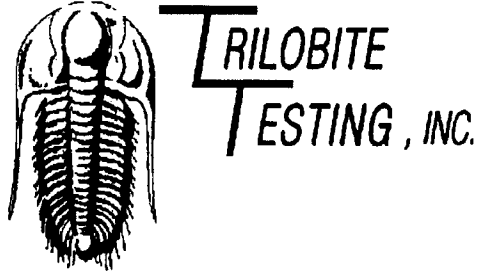
Length ft	Description	Volume bbl
155.00	G&OCM 10%G 20%O 70%M	1.036
0.00	30' GIP	0.000
0.00		0.000

Total Length: 155.00 ft      Total Volume: 1.036 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time



6 Wed Jun 2007



## DRILL STEM TEST REPORT

Prepared For: **Castle Resources Inc**

PO Box 87  
Schoenchen KS 67567

ATTN: Jerry Green

**13 17 22 Ness KS**

**Albers # 1**

Start Date: 2007.06.06 @ 23:53:58

End Date: 2007.06.07 @ 07:35:58

Job Ticket #: 25875                      DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Castle Resources Inc

Albers # 1

13 17 22 Ness KS

DST # 2

Mississippi

2007.06.06



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Castle Resources Inc  
PO Box 87  
Schoenchen KS 67567  
ATTN: Jerry Green

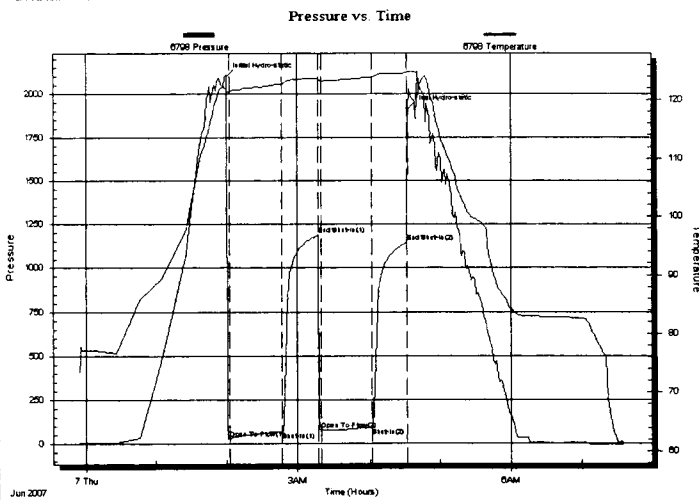
**Albers # 1**  
**13 17 22 Ness KS**  
Job Ticket: 25875      **DST#: 2**  
Test Start: 2007.06.06 @ 23:53:58

## GENERAL INFORMATION:

Formation: **Mississippi**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 02:02:28  
Time Test Ended: 07:35:58  
Interval: **4260.00 ft (KB) To 4275.00 ft (KB) (TVD)**  
Total Depth: 4300.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Straddle  
Tester: Jerry Adams  
Unit No: 36  
Reference Elevations: 2270.00 ft (KB)  
2265.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 6798      Inside**  
Press@RunDepth: 90.08 psig @ 4261.00 ft (KB)      Capacity: 7000.00 psig  
Start Date: 2007.06.06      End Date: 2007.06.07      Last Calib.: 2007.06.07  
Start Time: 23:54:03      End Time: 07:35:57      Time On Btm: 2007.06.07 @ 02:00:28  
Time Off Btm: 2007.06.07 @ 04:32:27

TEST COMMENT: IF Fair blow BOB in 45 mins.  
ISI No blow  
FF Fair blow BOB in 36 mins.  
FSI No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2103.28	121.71	Initial Hydro-static
2	25.19	121.38	Open To Flow (1)
47	67.59	122.75	Shut-In(1)
77	1189.68	123.70	End Shut-In(1)
79	76.09	123.25	Open To Flow (2)
121	90.08	123.91	Shut-In(2)
152	1148.17	124.59	End Shut-In(2)
152	1914.38	124.75	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
100.00	G&HOCM 20%G 60%O 20%M	0.49
115.00	Clean Oil 100%O	1.39
0.00	900' GIP	0.00
0.00	Gravity= 46 API @ 60 deg. 46 API Corr.	0.00
0.00		0.00

## Gas Rates

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



**TRILOBITE  
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# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Castle Resources Inc  
PO Box 87  
Schoenchen KS 67567  
ATTN: Jerry Green

**Albers # 1**  
**13 17 22 Ness KS**  
Job Ticket: 25875      **DST#: 2**  
Test Start: 2007.06.06 @ 23:53:58

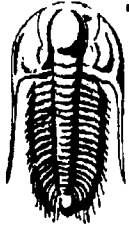
**Tool Information**

Drill Pipe:	Length: 4130.00 ft	Diameter: 3.80 inches	Volume: 57.93 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: 20000.00 lb
Drill Collar:	Length: 125.00 ft	Diameter: 2.25 inches	Volume: 0.61 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 58.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	4260.00 ft			Final 58000.00 lb
Depth to Bottom Packer:	4275.00 ft			
Interval between Packers:	15.00 ft			
Tool Length:	64.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4245.00	
Hydraulic tool	5.00			4250.00	
Packer	5.00			4255.00	20.00      Bottom Of Top Packer
Packer	5.00			4260.00	
Stubb	1.00			4261.00	
Recorder	0.00	6798	Inside	4261.00	
Perforations	13.00			4274.00	
Recorder	0.00	13400	Outside	4274.00	
Blank Off Sub	1.00			4275.00	15.00      Tool Interval
Packer	4.00			4279.00	
Stubb	2.00			4281.00	
Perforations	20.00			4301.00	
Recorder	0.00	13249	Below	4301.00	
Bullnose	3.00			4304.00	29.00      Bottom Packers & Anchor

**Total Tool Length: 64.00**



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ATTN: Jerry Green

**Albers # 1**  
**13 17 22 Ness KS**  
Job Ticket: 25875      **DST#: 2**  
Test Start: 2007.06.06 @ 23:53:58

## 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: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.57 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 4600.00 ppm			
Filter Cake: 0.02 inches			

## Recovery Information

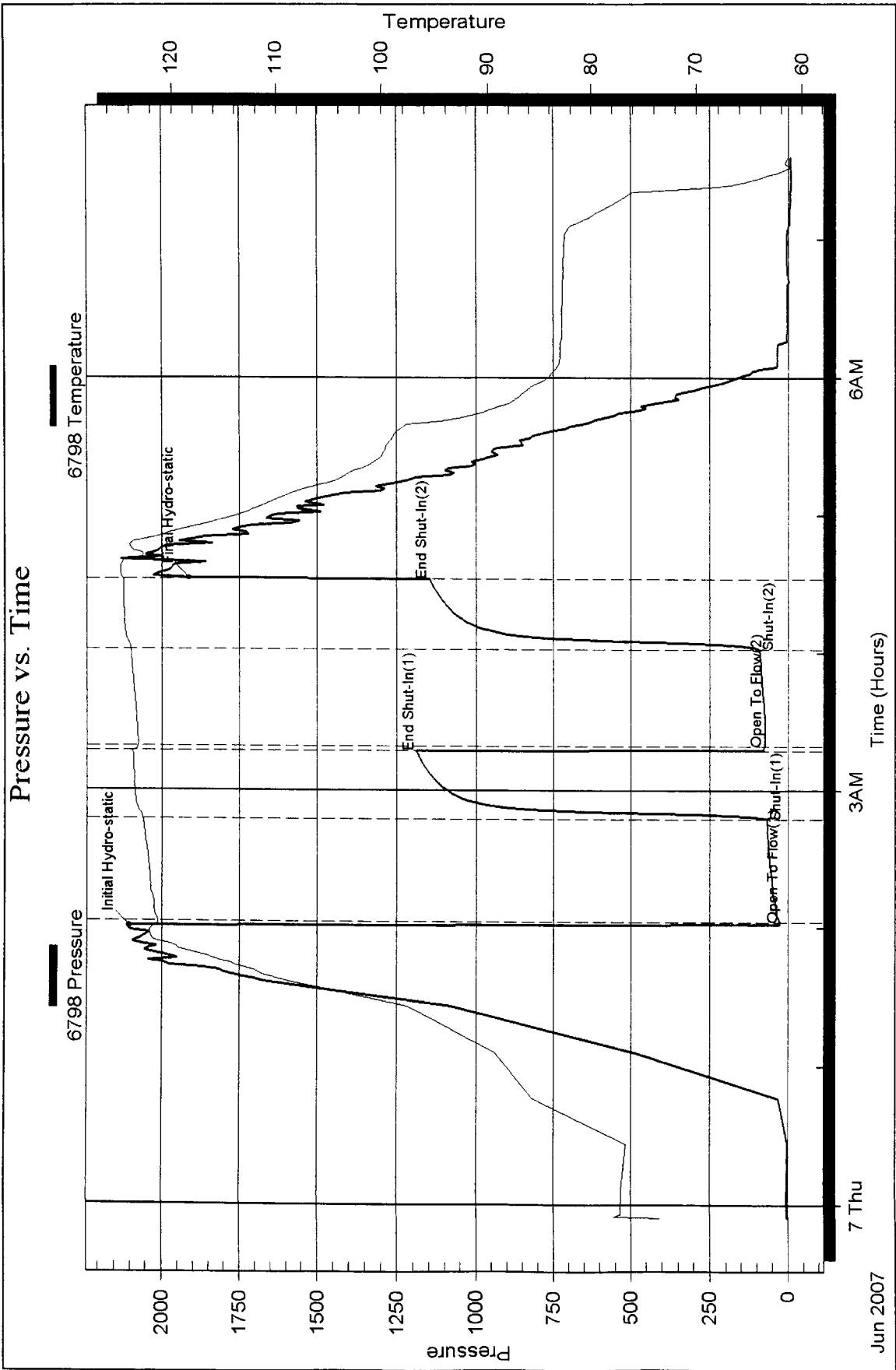
Recovery Table

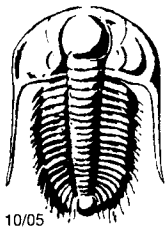
Length ft	Description	Volume bbl
100.00	G&HOCM 20%G 60%O 20%M	0.492
115.00	Clean Oil 100%O	1.385
0.00	900' GIP	0.000
0.00	Gravity= 46 API @ 60 deg. 46 API Corr.	0.000
0.00		0.000

Total Length: 215.00 ft      Total Volume: 1.877 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #: none  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

# Pressure vs. Time





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

10251

25874

## Test Ticket

Well Name & No. Albers #1 Test No. 1 Date 6-06-07  
 Company Castle Resources, Inc. Zone Tested Miss.  
 Address P.O. Box 87 Schoenchen, Kansas 67567 Elevation 2270 KB 2265 GL  
 Co. Rep / Geo. Jerry Green Rig Murfin #24  
 Location: Sec. 13 Twp. 17s Rge. 22W Co. Ness State Ks.  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 4206-4267 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 56,000  
 Anchor Length 61 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 4201 Tool Weight 2,500  
 Bottom Packer Depth 4206 + 4267 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4300 Wt. Pipe Run 0 Drill Collar Run 125  
 Mud Wt. 9.2 LCM 1# Vis. 52 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 4067  
 Blow Description IF: Weak blow. Built to 1/2"

ISI: No blow.

FF: Weak surface blow. Flush tool after 5 mins. Weak blow. Built to 1/2" Flush tool after 20 mins. Weak blow. Built to 3/4" FSI: No blow.

Recovery - Total Feet 155 GIP 30' Ft. in DC 125 Ft. in DP 30  
 Rec. 155 Feet of G+OCM 10%gas 30%oil %water 70 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil %water \_\_\_\_\_ %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas \_\_\_\_\_ %oil %water \_\_\_\_\_ %mud  
 BHT 120 °F Gravity N/C °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW N/C @ \_\_\_\_\_ °F Chlorides 4,600 ppm Recovery \_\_\_\_\_ Chlorides 4,600 ppm System

	AK-1	Alpine	Recorder No.	Test	
(A) Initial Hydrostatic Mud	<u>2063</u>	PSI	<u>6798</u>	<u>✓</u>	<u>1200</u>
(B) First Initial Flow Pressure	<u>25</u>	PSI	(depth) <u>4208</u>	Jars	
(C) First Final Flow Pressure	<u>45</u>	PSI	Recorder No. <u>13400</u>	Safety Jt.	
(D) Initial Shut-In Pressure	<u>1134</u>	PSI	(depth) <u>4266</u>	Circ Sub	
(E) Second Initial Flow Pressure	<u>61</u>	PSI	Recorder No. <u>13249</u>	Sampler	
(F) Second Final Flow Pressure	<u>85</u>	PSI	(depth) <u>4270</u>	Straddle <u>✓</u>	<u>600</u>
(G) Final Shut-In Pressure	<u>1165</u>	PSI	<b>Initial Opening</b> <u>30</u>	Ext. Packer	
(Q) Final Hydrostatic Mud	<u>2022</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer	
			Final Flow <u>60</u>	Ruined Packer	
			Final Shut-In <u>45</u>	Mileage <u>✓90</u>	<u>112.50</u>
			<b>T-On Location</b> <u>1415</u>	Sub Total:	
			T-Started <u>1536</u>	Std. By	
			T-Open <u>1747</u>	Acc. Chg:	<u>\$1912.50</u>
			T-Pulled <u>2033</u>	Other:	
			T-Out <u>2309</u>	Total:	

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By \_\_\_\_\_  
Our Representative Jerry Adams

Thank You.

**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

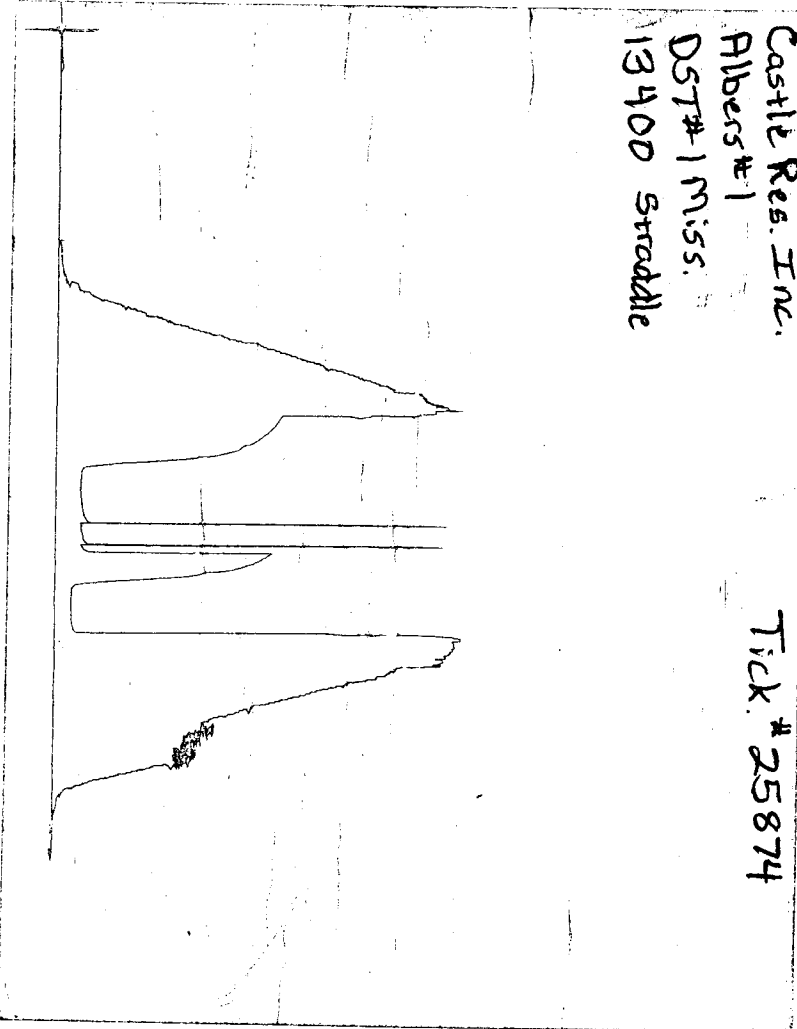
Castle Res. Inc.

Albers #1

DST# 1 Miss.

13400 Straddle

Tick # 25874



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

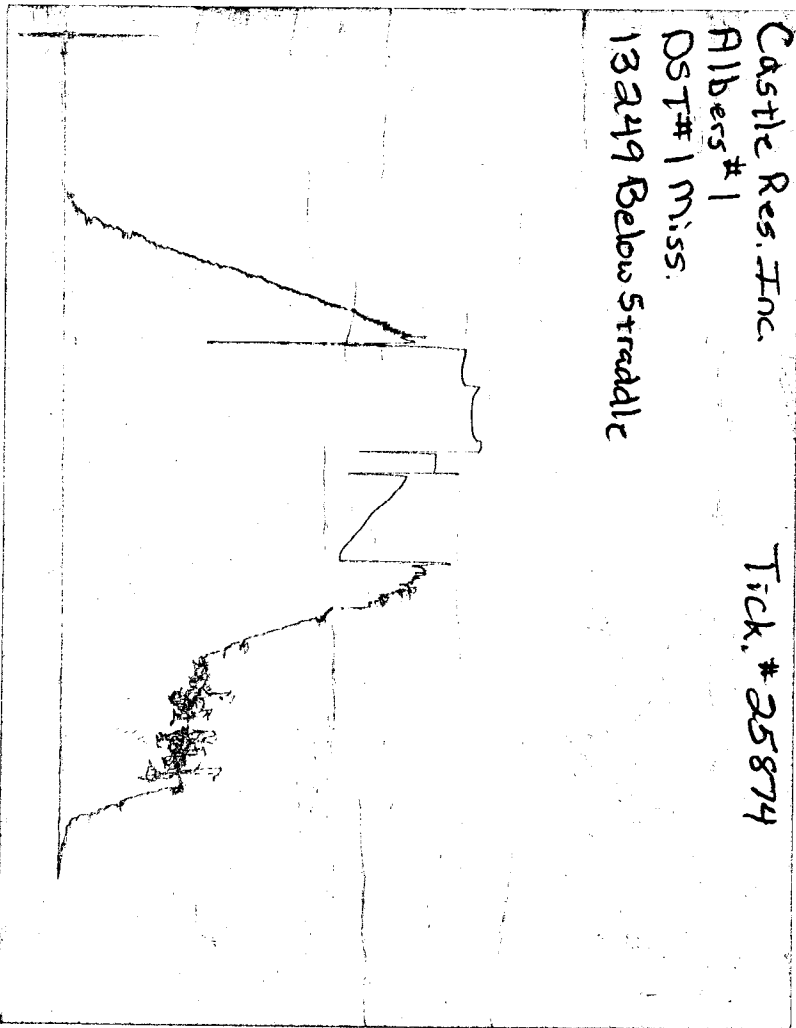
Tick # 25874

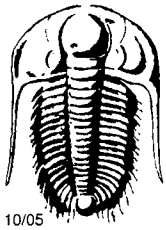
Castle Res. Inc.

Albers #1

DST# 1 Miss.

13249 Below Straddle





# TRILOBITE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

25875

## Test Ticket

Well Name & No. Albers #1 Test No. 2 Date 6-06-07  
 Company Castle Resources, Inc. Zone Tested Miss.  
 Address P.O. Box 87 Schoenchen, Kansas 67567 Elevation 2270 KB 2265 GL  
 Co. Rep / Geo. Jerry Green Rig Murfin #24  
 Location: Sec. 13 Twp. 17s Rge. 22w Co. Ness State Ks.  
 Comment: \_\_\_\_\_ Release date / time: \_\_\_\_\_

Interval Tested 4260-4275 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 58,000  
 Anchor Length ~~4255~~ 15 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70,000  
 Top Packer Depth 4255 Tool Weight 2,200  
 Bottom Packer Depth 4260+4275 Hole Size 7 7/8" ✓ Rubber Size 6 3/4" ✓  
 Total Depth 4300 Wt. Pipe Run 0 Drill Collar Run 125  
 Mud Wt. 9.2 LCM 1 Vis. 52 WL 9.6 Drill Pipe Size 4 1/2" XH Ft. Run 4130  
 Blow Description IF: Fair blow. B.O.B. in 45 mins.  
IST: No blow.  
FF: Fair blow. B.O.B. in 36 mins.  
FSI: No blow.

Recovery - Total Feet 215 GIP 900 Ft. in DC 125 Ft. in DP 90  
 Rec. 115 Feet of Clean Oil %gas 100 %oil %water %mud  
 Rec. 100 Feet of G+HOCm 20%gas 60 %oil %water 20 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 124 °F Gravity 46 °API D @ 60 °F Corrected Gravity 46 °API  
 RW N/C @ \_\_\_\_\_ °F Chlorides 4,600 ppm Recovery \_\_\_\_\_ Chlorides 4,600 ppm System

	AK-1	Alpine	Recorder No.	Test
(A) Initial Hydrostatic Mud	<u>2146</u>	PSI	<u>6798</u>	<u>✓ 1200</u>
(B) First Initial Flow Pressure	<u>25</u>	PSI	(depth) <u>4261</u>	Jars _____
(C) First Final Flow Pressure	<u>68</u>	PSI	Recorder No. <u>13400</u>	Safety Jt. _____
(D) Initial Shut-In Pressure	<u>1190</u>	PSI	(depth) <u>4274</u>	Circ Sub _____
(E) Second Initial Flow Pressure	<u>76</u>	PSI	Recorder No. <u>13249</u>	Sampler _____
(F) Second Final Flow Pressure	<u>90</u>	PSI	(depth) <u>4297</u>	Straddle <u>✓ 600</u>
(G) Final Shut-In Pressure	<u>1148</u>	PSI	Initial Opening <u>45</u>	Ext. Packer _____
(Q) Final Hydrostatic Mud	<u>2027</u>	PSI	Initial Shut-In <u>30</u>	Shale Packer _____
			Final Flow <u>45</u>	Ruined Packer _____
			Final Shut-In <u>30</u>	Mileage <u>90 ✓ 45 Hays 42.50</u>

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Approved By \_\_\_\_\_ T-Started 2353 Std. By \_\_\_\_\_  
 Our Representative Jerry Adams T-Open 0202 Acc. Chg: 1912.50  
 T-On Location 1415 T-Pulled 0432 Other: \_\_\_\_\_  
 T-Out 0735 Total: \_\_\_\_\_

Thank You.

**CHART PAGE**

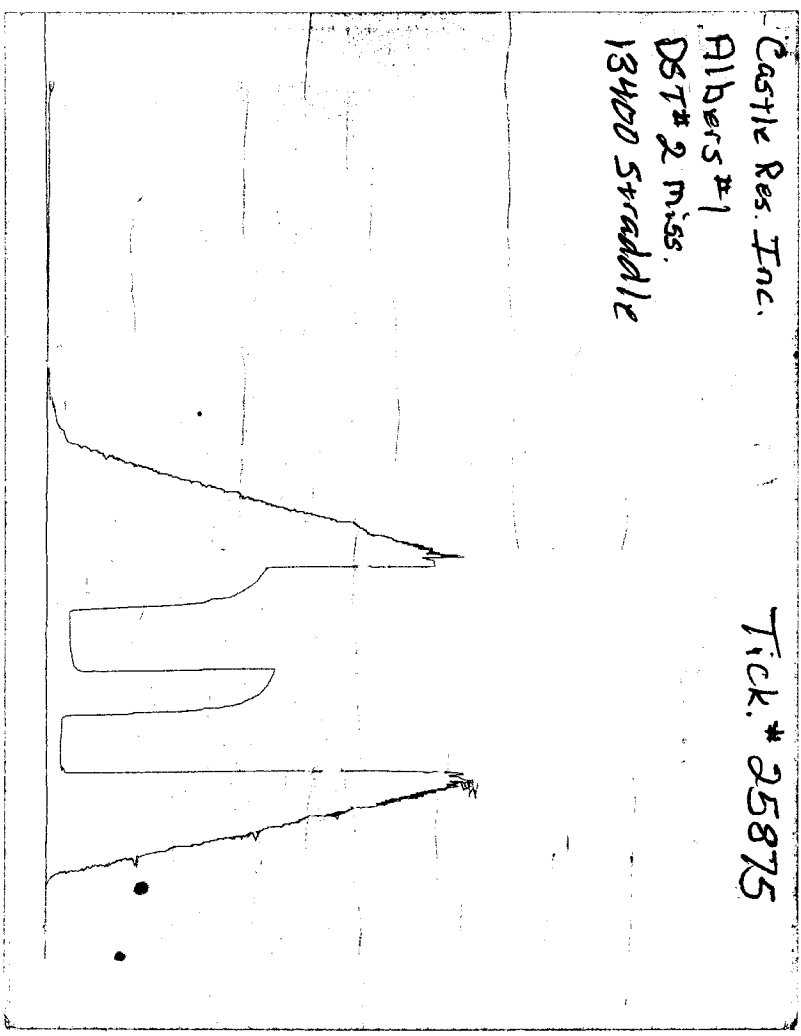
This is a photocopy of the actual AK-1 recorder chart.

Castle Res. Inc. Tick # 25875

Albers #1

DST # 2 Miss.

13400 Straddle



**CHART PAGE**

This is a photocopy of the actual AK-1 recorder chart.

Castle Res. Inc

Albers #1

DST# 2 Miss.

13249 Below Straddle

Tick # 25875

