



KANSAS CORPORATION COMMISSION 1081985  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009

Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # 31739  
Name: Iuka-Carmi Development LLC  
Address 1: PO BOX 847  
Address 2: \_\_\_\_\_  
City: PRATT State: KS Zip: 67124 + 0847  
Contact Person: Kenneth C. Gates  
Phone: ( 620 ) 672-2531  
CONTRACTOR: License # 34541  
Name: Ninnescah Drilling LLC  
Wellsite Geologist: Dave Williams  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- Gas     D&A     ENHR     SIGW
- OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled    Permit #: \_\_\_\_\_
- Dual Completion    Permit #: \_\_\_\_\_
- SWD    Permit #: \_\_\_\_\_
- ENHR    Permit #: \_\_\_\_\_
- GSW    Permit #: \_\_\_\_\_

<u>06/24/2011</u>	<u>07/05/2011</u>	<u>07/06/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-007-23724-00-00

Spot Description: \_\_\_\_\_

NE\_SW\_SW\_SE Sec. 24 Twp. 32 S. R. 10  East  West

380 Feet from  North /  South Line of Section

2050 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Barber

Lease Name: Stone Well #: 1-24

Field Name: \_\_\_\_\_

Producing Formation: Mississippi

Elevation: Ground: 1427 Kelly Bushing: 1440

Total Depth: 5025 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 329 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: 05/24/2012
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Garrisci Date: 05/24/2012



1081985

Operator Name: Iuka-Carmi Development LLC Lease Name: Stone Well #: 1-24  
 Sec. 24 Twp. 32 S. R. 10  East  West County: Barber

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Compenated Density / Neutron</td> <td>3300</td> <td>1427</td> </tr> <tr> <td>Cement Bond Log</td> <td>3680</td> <td>1427</td> </tr> <tr> <td>Dual Induction Log</td> <td>00</td> <td>1427</td> </tr> <tr> <td>Micro Log</td> <td>3300</td> <td>1427</td> </tr> <tr> <td>Leeth Evaluation</td> <td>3400</td> <td>1427</td> </tr> </tbody> </table>	Name	Top	Datum	Compenated Density / Neutron	3300	1427	Cement Bond Log	3680	1427	Dual Induction Log	00	1427	Micro Log	3300	1427	Leeth Evaluation	3400	1427
Name	Top	Datum																	
Compenated Density / Neutron	3300	1427																	
Cement Bond Log	3680	1427																	
Dual Induction Log	00	1427																	
Micro Log	3300	1427																	
Leeth Evaluation	3400	1427																	

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	8.6250	8.6250	24	329	60/40 Poz	275	
Production	8.625	5.50	15.5	4929	Class A	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD	-			
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
---	--	--

# QUALITY WELL SERVICE, INC.

5211

Home Office 190th US 56 HWY, Ellinwood, KS 67526

Todd's Cell 620-388-5422  
Darin's Cell 785-445-2686

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	6-24-11	Sec.	24	Twp.	32	Range	10	County	Barber	State	Ks	On Location		Finish	11:00	
Lease	STOLIE		Well No.	1-2A		Location SHARON KS E to Col. Ave										
Contractor	MINNESOTA OIL 101							Owner	1 S 1/2 W N 101							
Type Job	Surface							To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4		T.D.	335		Charge To JUKA - (AERMI) DEV. LLC										
Csg.	35/3		Depth	329 TO		Tbg. Size										
Tool			Depth			Street										
Cement Left in Csg.			Shoe Joint	23		City										
Meas Line			Displace	19.7 Bbl.		State										
EQUIPMENT												2755 60/40 2 1/2 GEL 3 1/2 CC 1/4" CF.				
Pumptrk	8	No.	TOD				Common		165							
Bulktrk	7	No.	RICHARD				Poz. Mix		110							
Bulktrk		No.	SEAN				Gel.		5							
Pickup		No.	BRADY				Calcium		9							
JOB SERVICES & REMARKS												Hulls				
Rat Hole												Salt				
Mouse Hole												Flowseal 69				
Centralizers												Kol-Seal				
Baskets												Mud CLR 48				
D/V or Port Collar												CFL-117 or CD110 CAF 38				
Run 7 #3 2 1/2 GEL 326'												Sand				
MTR 1/2 Pump 2755 60/40												Handling 239				
2 1/2 GEL 3 1/2 1/4" CF.												Mileage 10				
A. 7 # GAL 1.25 A3												FLOAT EQUIPMENT				
SHUT DOWN												Guide Shoe				
RELEASE PLUG												Centralizer				
												Baskets				
												AFU Inserts				
												Float Shoe				
												Latch Down				
DISP 19.7 Bbls total												1 Wooden Plug				
Close Valve on Csg																
Plug Down @ 10:30																
GOOD CIRC THRU JOB												Pumptrk Charge 5200				
CIRC OUT TO PIT												Mileage 10				
THANKS												Tax				
TODD RICHARD SEAN & BRADY												Discount				
Signature: <i>[Handwritten Signature]</i>												Total Charge				

# QUALITY WELL SERVICE, INC.

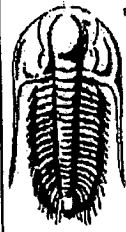
5219

Home Office 190th US 56 HWY, Ellinwood, KS 67526

Todd's Cell 620-388-5422  
Darin's Cell 785-445-2686

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish		
7-6-11	2A	32	10	Barber	Ks		12.22		
Lease	STONX		Well No.	1-24				Location	Barber - Harper Co-Line
Contractor	Thompson Oil Co			Owner	I.S. 1/4 W N 20th				
Type Job	5 1/2			To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size	7 7/8		T.D.	5025					
Csg.	5 1/2		Depth	4947.17					
Tbg. Size			Depth						
Tool			Depth						
Cement Left in Csg.			Shoe Joint	30.34					
Meas Line			Displace	117					
<b>EQUIPMENT</b>				1075 Salt 5 1/2 x 6 1/2 in. 75% CFL 117					
Pumptrk	3 No.		Buzart		Common 200				
Bulktrk	7 No.		TOD		Poz. Mix				
Bulktrk					Gel.				
Pickup			Darin		Calcium				
<b>JOB SERVICES &amp; REMARKS</b>				Hulls					
Rat Hole	20 x				Salt 19				
Mouse Hole	15 x				Flowseal				
Centralizers	6-9-14-13				Kol-Seal 475 1000				
Baskets	5-13				Mud CLR 48				
D/V or Port Collar					CFL-117 or CD110 CAF 38 123 141				
Run	132 #1's 5 1/2 15 1/2 #				Sand				
set	4947.17				Handling				
Drop Ball					Mileage				
at PKR					5 1/2 <b>FLOAT EQUIPMENT</b>				
Mix & Pump	165 x Pro-C				Guide Shoe				
14.8 # line	194 #13				Centralizer 4				
SHUT DOWN	wash up P & LEAKS				Baskets 2				
Release Plug					AFU Inserts				
Drop 117 Bbl total					Float Shoe				
Good Casing then stop					Latch Down 1				
Plum down to 9:30 1500'					1 Packer Slur				
Release & HEAD					Pumptrk Charge 15				
					Mileage 10				
					Tax				
					Discount				
					Total Charge				
Signature	Darin				Tax				
					Discount				
					Total Charge				



**TRILOBITE TESTING, INC**

## DRILL STEM TEST REPORT

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber, KS

Job Ticket: 042469 DST#: 1

ATTN: Dave Williams

Test Start: 2011.06.30 @ 05:48:43

### GENERAL INFORMATION:

Formation: Mississippi  
Deviated: No Whipstock ft (KB)  
Time Tool Opened: 09:28:43  
Time Test Ended: 13:41:43

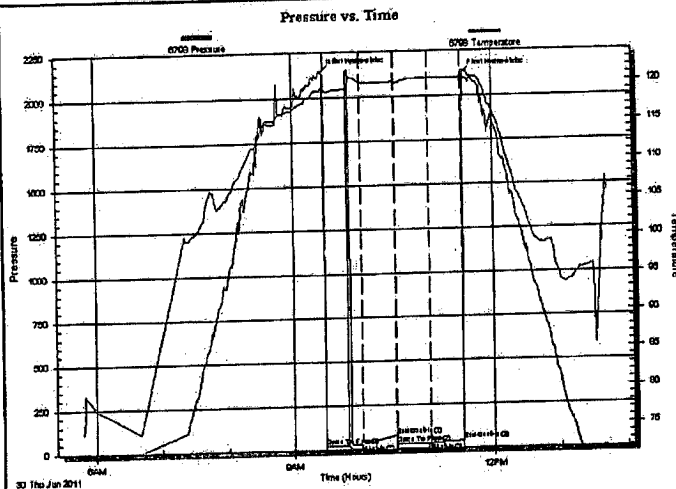
Test Type: Conventional Bottom Hole  
Tester: Leal Cason  
Unit No: 45

Interval: 4328.00 ft (KB) To 4360.00 ft (KB) (TVD)  
Total Depth: 4360.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1439.00 ft (KB)  
1427.00 ft (CF)  
KB to GRVCF: 12.00 ft

Serial #: 6798 Inside Capacity: 8000.00 psig  
Press@RunDepth: 27.40 psig @ 4329.00 ft (KB) Last Calib.: 2011.06.30  
Start Date: 2011.06.30 End Date: 2011.06.30  
Start Time: 05:48:44 End Time: 13:41:43  
Time On Btm: 2011.06.30 @ 09:26:43  
Time Off Btm: 2011.06.30 @ 11:32:28

TEST COMMENT: IF: Weak Surface Blow, Dead after 19 minutes, Flushed Tool, No Blow  
IS: No Blow  
FF: No Blow  
FS: No Blow



### PRESSURE SUMMARY

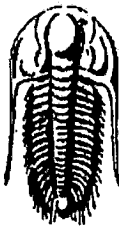
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.19	119.45	Initial Hydro-static
2	18.93	118.94	Open To Flow (1)
22	21.24	119.31	Flushed Tool
35	24.35	120.12	Shut-In(1)
64	75.34	120.14	End Shut-In(1)
65	24.02	119.98	Open To Flow(2)
96	27.40	120.62	Shut-In(2)
125	40.24	120.62	End Shut-In(2)
126	2119.76	121.54	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.07

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber, KS

Job Ticket: 042469

DST#: 1

ATTN: Dave Williams

Test Start: 2011.06.30 @ 05:48:43

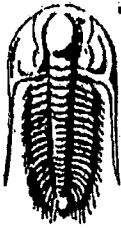
### Tool Information

Drill Pipe:	Length: 4311.00 ft	Diameter: 3.80 inches	Volume: 60.47 bbl	Tool Weight: 2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<b>Total Volume: 60.47 bbl</b>	Tool Chased: ft
Drill Pipe Above KB:	10.00 ft			String Weight: initial 52000.00 lb
Depth to Top Packer:	4328.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	59.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	5.00			4316.00	
Safety Joint	2.00			4318.00	
Packer	5.00			4323.00	27.00 Bottom Of Top Packer
Packer	5.00			4328.00	
Stubb	1.00			4329.00	
Recorder	0.00	6798	Inside	4329.00	
Recorder	0.00	8367	Outside	4329.00	
Perforations	28.00			4357.00	
Bullnose	3.00			4360.00	32.00 Bottom Packers & Anchor

**Total Tool Length: 59.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber,KS

Job Ticket: 042469      DST#: 1

ATTN: Dave Williams

Test Start: 2011.06.30 @ 05:48:43

**Tool Information**

Drill Pipe:	Length: 4311.00 ft	Diameter: 3.80 inches	Volume: 60.47 bbl	Tool Weight:	2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Full Loose:	60000.00 lb
			<b>Total Volume: 60.47 bbl</b>	Tool Chased	ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4328.00 ft			Final	52000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	32.00 ft				
Tool Length:	59.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4306.00	
Hydraulic tool	5.00			4311.00	
Jars	5.00			4316.00	
Safety Joint	2.00			4318.00	
Packer	5.00			4323.00	27.00      Bottom Of Top Packer
Packer	5.00			4328.00	
Stubb	1.00			4329.00	
Recorder	0.00	6798	Inside	4329.00	
Recorder	0.00	8367	Outside	4329.00	
Perforations	28.00			4357.00	
Bullnose	3.00			4360.00	32.00      Bottom Packers & Anchor

**Total Tool Length: 59.00**



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

### DRILL STEM TEST REPORT

FLUID SUMMARY

Iuka-Carri Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber, KS

Job Ticket: 042469      DST#: 1

ATTN: Dave Williams

Test Start: 2011.06.30 @ 05:48:43

#### 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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.77 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 0.20 inches			

#### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.070

Total Length: 5.00 ft      Total Volume: 0.070 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

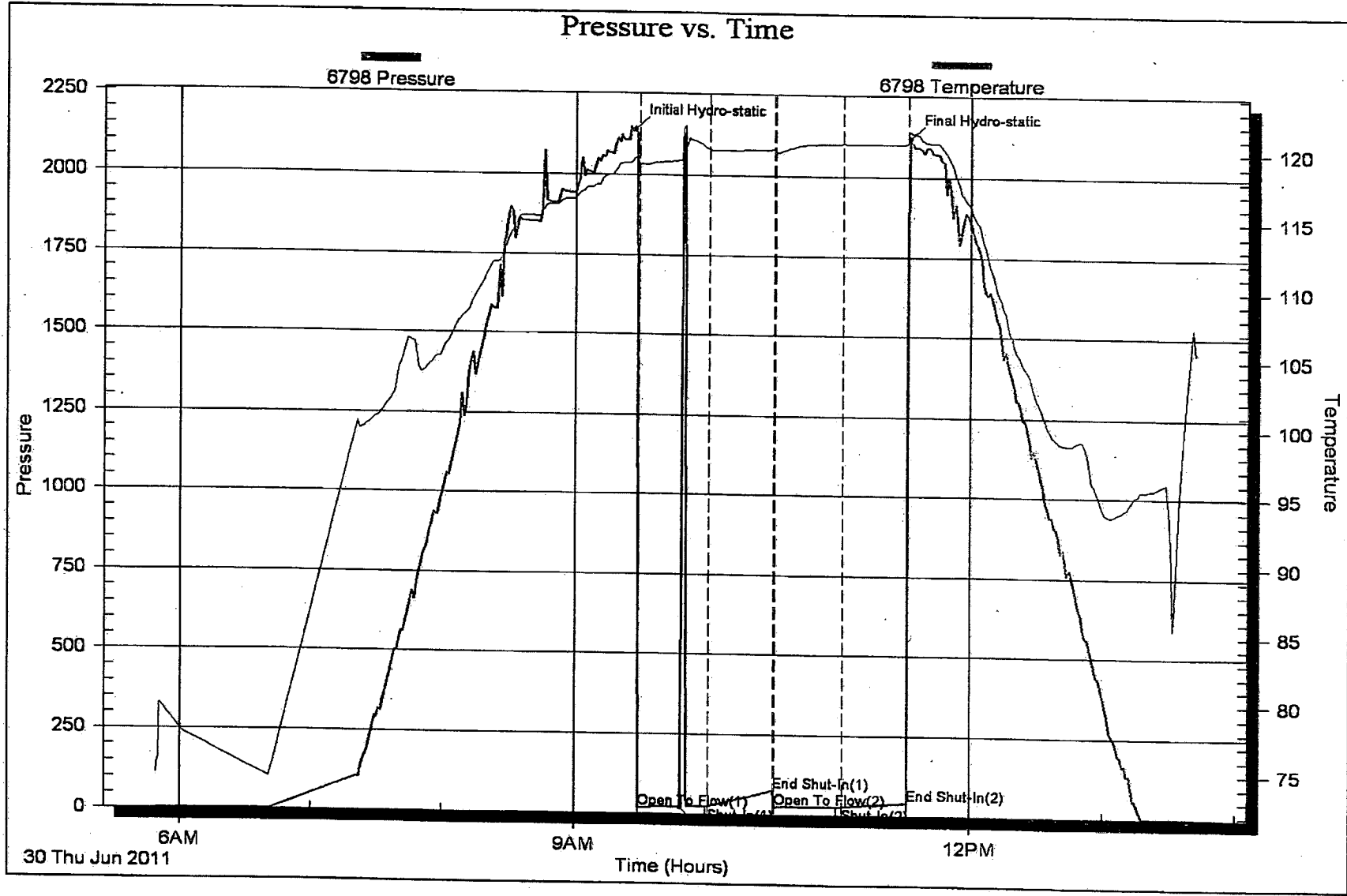
Serial #:

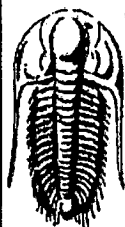
Laboratory Name:

Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

luka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber,KS

Job Ticket: 042470 DST#: 2

ATTN: Dave Williams

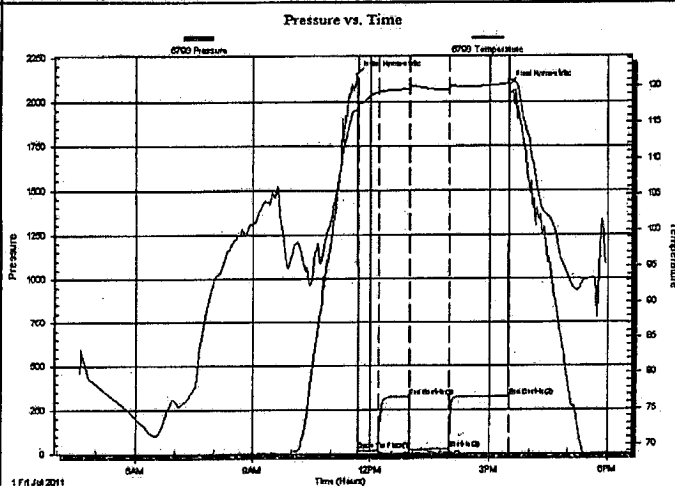
Test Start: 2011.07.01 @ 04:35:39

### GENERAL INFORMATION:

Formation: Mississippi  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:41:54  
 Time Test Ended: 17:57:09  
 Interval: 4358.00 ft (KB) To 4376.00 ft (KB) (TVD)  
 Total Depth: 4376.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Good  
 Test Type: Conventional Bottom Hole  
 Tester: Leal Cason  
 Unit No: 45  
 Reference Elevations: 1439.00 ft (KB)  
 1427.00 ft (CF)  
 KB to GR/CF: 12.00 ft

Serial #: 6798 Inside  
 Press@RunDepth: 27.55 psig @ 4359.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2011.07.01 End Date: 2011.07.01 Last Calib.: 2011.07.01  
 Start Time: 04:35:40 End Time: 17:57:09 Time On Btrt: 2011.07.01 @ 11:38:39  
 Time Off Btrt: 2011.07.01 @ 15:29:39

TEST COMMENT: IF: Fair Blow, BOB in 12 minutes  
 IS: Bled Off, No Blow back  
 FF: Strong Blow, BOB in 10 seconds  
 FS: Bled Off, No Blow back



### PRESSURE SUMMARY

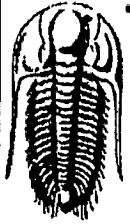
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.63	116.53	Initial Hydro-static
4	20.46	117.38	Open To Flow (1)
34	17.14	119.14	Shut-In(1)
80	325.83	119.69	End Shut-In(1)
81	18.06	119.91	Open To Flow (2)
140	27.55	119.52	Shut-In(2)
230	326.34	120.39	End Shut-In(2)
231	2096.96	121.76	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	4323 Feet GIP	0.00
20.00	GCM 2%G 98%M	0.28

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber,KS

Job Ticket: 042470

DST#: 2

ATTN: Dave Williams

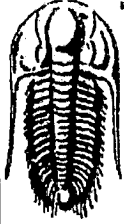
Test Start: 2011.07.01 @ 04:35:39

### Tool Information

Drill Pipe:	Length: 4343.00 ft	Diameter: 3.80 inches	Volume: 60.92 bbl	Tool Weight: 2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 60.92 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4358.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	45.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4336.00	
Hydraulic tool	5.00			4341.00	
Jars	5.00			4346.00	
Safety Joint	2.00			4348.00	
Packer	5.00			4353.00	27.00 Bottom Of Top Packer
Packer	5.00			4358.00	
Stubb	1.00			4359.00	
Recorder	0.00	6798	Inside	4359.00	
Recorder	0.00	8367	Outside	4359.00	
Perforations	14.00			4373.00	
Bullnose	3.00			4376.00	18.00 Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>45.00</b>				



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

luka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber,KS

Job Ticket: 042470

DST#: 2

ATTN: Dave Williams

Test Start: 2011.07.01 @ 04:35:39

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 54.00 sec/qt  
Water Loss: 9.58 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4000.00 ppm  
Filter Cake: 0.20 inches

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

Oil API: deg API  
Water Salinity: ppm

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
0.00	4323 Feet GIP	0.000
20.00	GCM 2%G 98%M	0.281

Total Length: 20.00 ft      Total Volume: 0.281 bbl

Num Fluid Samples: 0

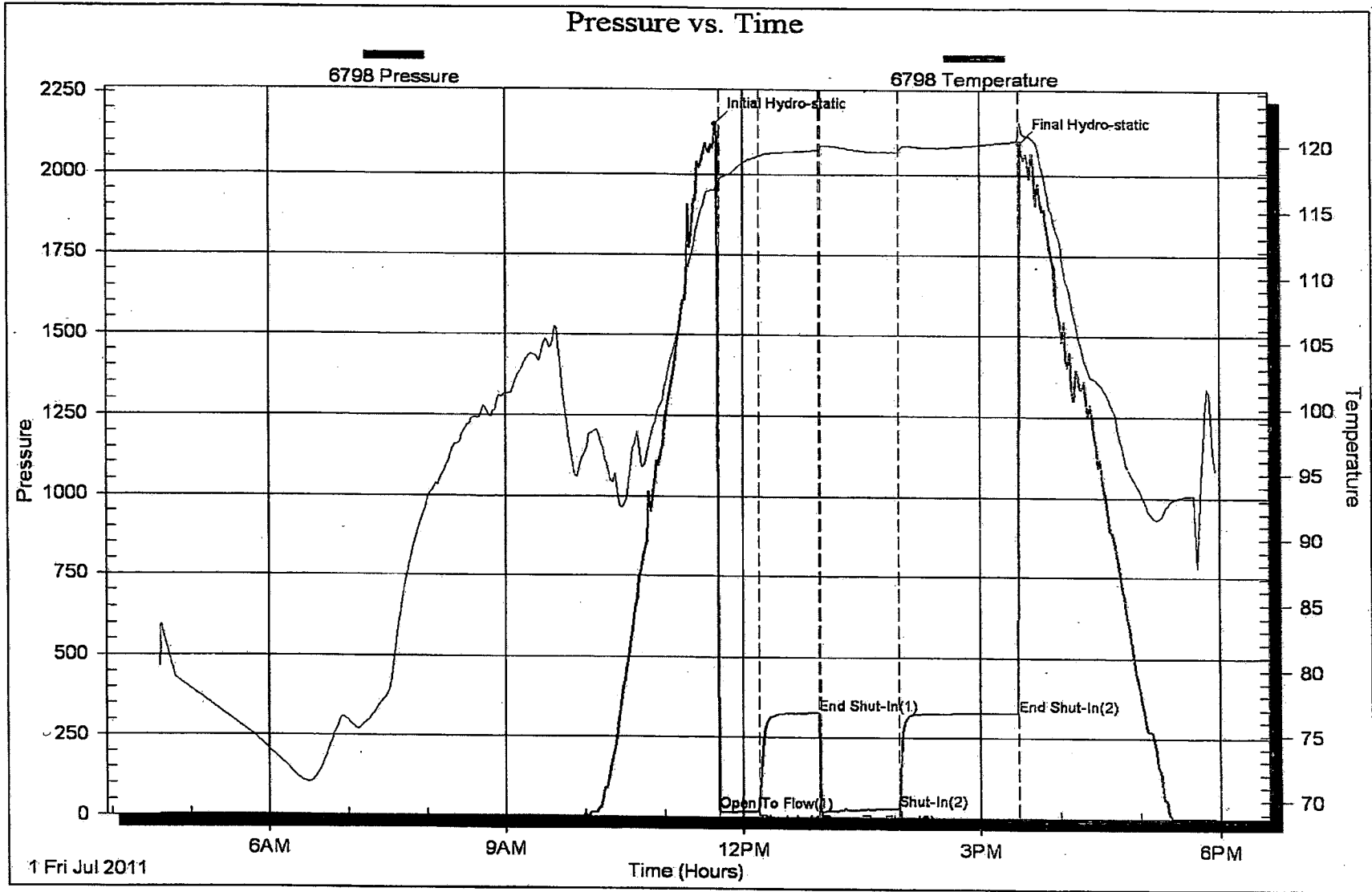
Num Gas Bombs: 0

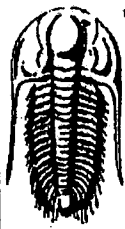
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber, KS

Job Ticket: 042471

DST#: 3

ATTN: Dave Williams

Test Start: 2011.07.02 @ 06:53:56

### GENERAL INFORMATION:

Formation: **Mississippi**  
 Deviated: **No Whipstock:** ft (KB)  
 Time Tool Opened: 09:33:56  
 Time Test Ended: 15:08:11

Test Type: Conventional Bottom Hole  
 Tester: Leal Cason  
 Unit No: 45

Interval: **4376.00 ft (KB) To 4386.00 ft (KB) (TVD)**  
 Total Depth: **4386.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1439.00 ft (KB)**  
**1427.00 ft (CF)**  
 KB to GR/CF: **12.00 ft**

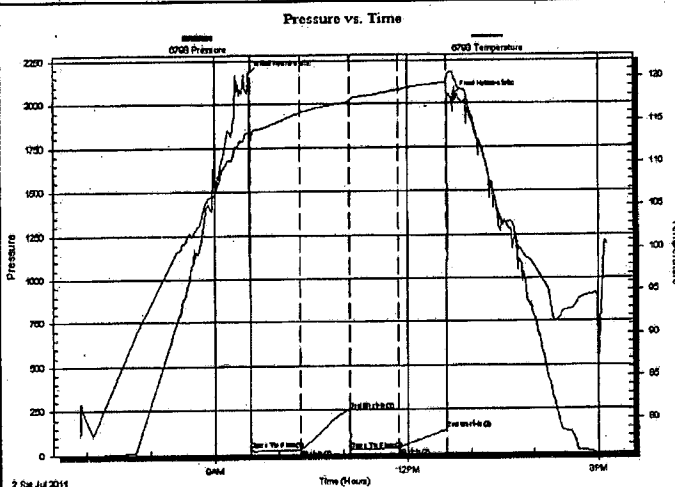
### Serial #: 6798

Inside

Press@RunDepth: **30.21 psig @ 4377.00 ft (KB)**  
 Start Date: **2011.07.02** End Date: **2011.07.02**  
 Start Time: **06:53:57** End Time: **15:08:11**

Capacity: **8000.00 psig**  
 Last Calib.: **2011.07.02**  
 Time On Btrnt: **2011.07.02 @ 09:31:56**  
 Time Off Btrnt: **2011.07.02 @ 12:43:56**

TEST COMMENT: IF: Weak Blow, 4 inches  
 IS: Bled Off, No Blow back  
 FF: Weak Blow, 2 inches  
 FS: Bled Off, No Blow back



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.82	113.54	Initial Hydro-static
2	24.13	112.16	Open To Flow (1)
48	23.12	115.90	Shut-In(1)
93	247.60	117.15	End Shut-In(1)
94	20.96	117.32	Open To Flow (2)
140	30.21	118.59	Shut-In(2)
185	136.90	119.42	End Shut-In(2)
192	2049.71	119.78	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
30.00	SOSM -1%O +99%M	0.42

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (M)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Iuka-Carmi Development

**Stone #1-24**

PO Box 847  
Pratt, KS 67124

**24-32s-10w Barber,KS**

Job Ticket: 042471      **DST#: 3**

ATTN: Dave Williams

Test Start: 2011.07.02 @ 06:53:56

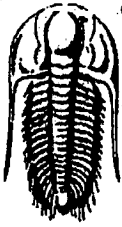
### Tool Information

Drill Pipe:	Length: 4373.00 ft	Diameter: 3.80 inches	Volume: 61.34 bbl	Tool Weight: 2100.00 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: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 61.34 bbl</u>	Tool Chased: ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	4376.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	37.00 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			4354.00	
Hydraulic tool	5.00			4359.00	
Jars	5.00			4364.00	
Safety Joint	2.00			4366.00	
Packer	5.00			4371.00	27.00 Bottom Of Top Packer
Packer	5.00			4376.00	
Stubb	1.00			4377.00	
Recorder	0.00	6798	Inside	4377.00	
Recorder	0.00	8367	Outside	4377.00	
Perforations	6.00			4383.00	
Bullnose	3.00			4386.00	10.00 Bottom Packers & Anchor

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber,KS

Job Ticket: 042471

DST#:3

ATTN: Dave Williams

Test Start: 2011.07.02 @ 06:53:56

**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: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.20 inches			

**Recovery Information**

Recovery Table

Length ft	Description	Volume bbl
30.00	SOSM-1%O +99%M	0.421

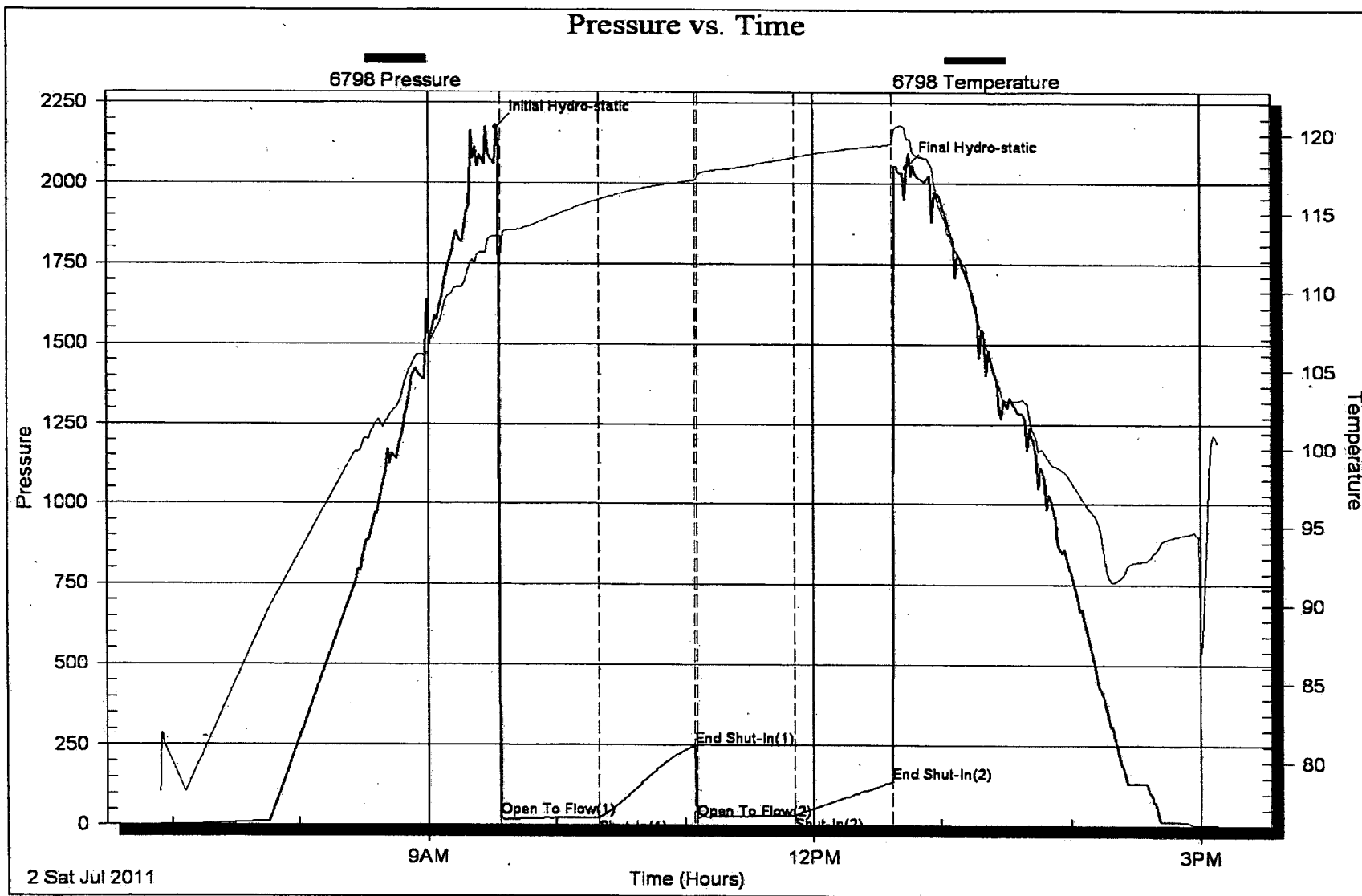
Total Length: 30.00 ft      Total Volume: 0.421 bbl

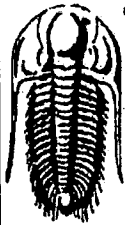
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:







**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Iuka-Carmi Development  
PO Box 847  
Pratt, KS 67124  
ATTN: Dave Williams

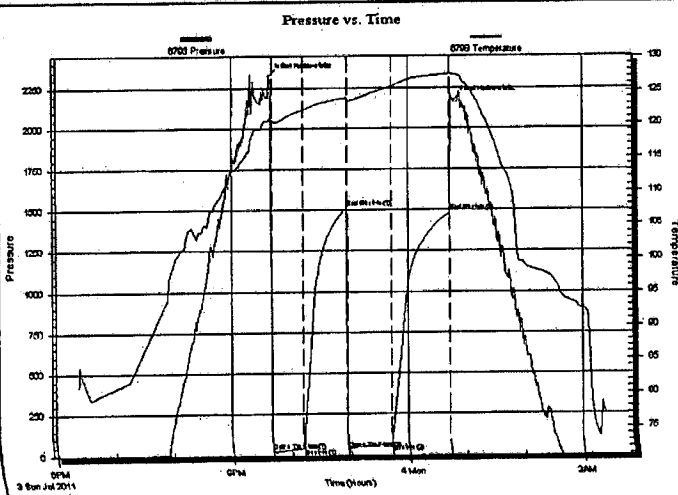
**Stone #1-24**  
**24-32s-10w Barber,KS**  
Job Ticket: 042472 **DST#: 4**  
Test Start: 2011.07.03 @ 18:23:11

**GENERAL INFORMATION:**

Formation: **Viola**  
Deviated: **No** Whipstock: **ft (KB)**  
Time Tool Opened: 21:41:11  
Time Test Ended: 03:24:41  
Test Type: **Conventional Bottom Hole**  
Tester: **Leal Cason**  
Unit No: **45**  
Interval: **4662.00 ft (KB) To 4677.00 ft (KB) (TVD)**  
Total Depth: **4677.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Good**  
Reference Elevations: **1439.00 ft (KB)**  
**1427.00 ft (CF)**  
KB to GR/CF: **12.00 ft**

**Serial #: 6798** **Inside**  
Press@RunDepth: **65.57 psig @ 4663.00 ft (KB)** Capacity: **8000.00 psig**  
Start Date: **2011.07.03** End Date: **2011.07.04** Last Calib.: **2011.07.04**  
Start Time: **18:23:12** End Time: **03:24:41** Time On Btm: **2011.07.03 @ 21:38:11**  
Time Off Btm: **2011.07.04 @ 00:47:56**

**TEST COMMENT:** IF: Strong Blow, BOB in 2 minutes  
IS: Bled Off, Weak Surface Blow back  
FF: Strong Blow, BOB in 10 seconds, GTS in 38 minutes  
FS: Bled Off, Weak Surface Blow back



**PRESSURE SUMMARY**

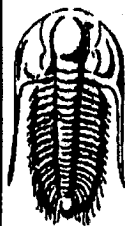
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.34	120.54	Initial Hydro-static
3	27.61	120.40	Open To Flow (1)
35	43.13	122.07	Shut-In (1)
79	1513.33	123.94	End Shut-In (1)
80	36.13	123.53	Open To Flow (2)
125	65.57	125.60	Shut-In (2)
186	1481.33	127.41	End Shut-In (2)
190	2172.43	127.32	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
0.00	4563 GIP	0.00
60.00	MOCW 12%M 38%O 50%W	0.84
30.00	VMCO 5%W 10%M 85%O	0.42

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Iuka-Carmi Development

**Stone #1-24**

PO Box 847  
Pratt, KS 67124

**24-32s-10w Barber,KS**

Job Ticket: 042472

**DST#: 4**

ATTN: Dave Williams

Test Start: 2011.07.03 @ 18:23:11

### Tool Information

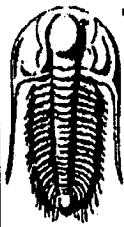
Drill Pipe:	Length: 4653.00 ft	Diameter: 3.80 inches	Volume: 65.27 bbl	Tool Weight: 2100.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 65.27 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	4662.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	42.00 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			4640.00	
Hydraulic tool	5.00			4645.00	
Jars	5.00			4650.00	
Safety Joint	2.00			4652.00	
Packer	5.00			4657.00	27.00 Bottom Of Top Packer
Packer	5.00			4662.00	
Stubb	1.00			4663.00	
Recorder	0.00	6798	Inside	4663.00	
Recorder	0.00	8367	Outside	4663.00	
Perforations	11.00			4674.00	
Bullnose	3.00			4677.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 42.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Iuka-Carmi Development

Stone #1-24

PO Box 847  
Pratt, KS 67124

24-32s-10w Barber,KS

Job Ticket: 042472

DST#: 4

ATTN: Dave Williams

Test Start: 2011.07.03 @ 18:23:11

**Mud and Cushion Information**

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 48.00 sec/qt  
Water Loss: 9.19 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 7000.00 ppm  
Filter Cake: 0.20 inches

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

Oil API: deg API  
Water Salinity: 90000 ppm

**Recovery Information**

Recovery Table

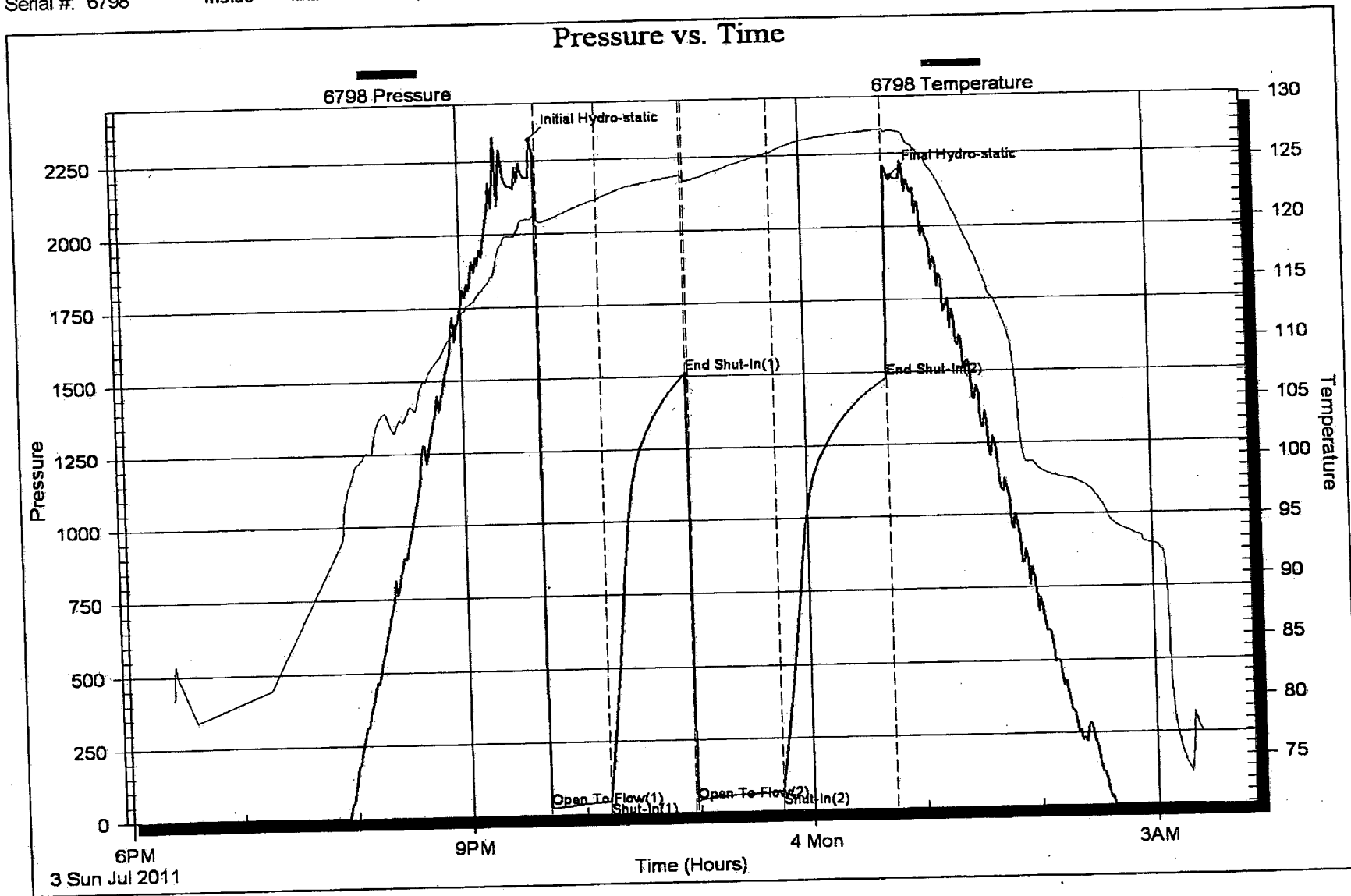
Length ft	Description	Volume bbl
0.00	4563 GIP	0.000
60.00	MOCW 12%M 38%O 50%W	0.842
30.00	VMCO 5%W 10%M 85%O	0.421

Total Length: 90.00 ft      Total Volume: 1.263 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments: RW .07 @ 88 degrees



Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 24, 2012

Kenneth C. Gates  
Iuka-Carmi Development LLC  
PO BOX 847  
PRATT, KS 67124-0847

Re: ACO1  
API 15-007-23724-00-00  
Stone 1-24  
SE/4 Sec.24-32S-10W  
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Kenneth C. Gates

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

May 24, 2012

Kenneth C. Gates  
Iuka-Carmi Development LLC  
PO BOX 847  
PRATT, KS 67124-0847

Re: ACO-1  
API 15-007-23724-00-00  
Stone 1-24  
SE/4 Sec.24-32S-10W  
Barber County, Kansas

Dear Kenneth C. Gates:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 06/24/2011 and the ACO-1 was received on May 24, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department