



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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- 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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1081985

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input 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 type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input 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

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: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5211

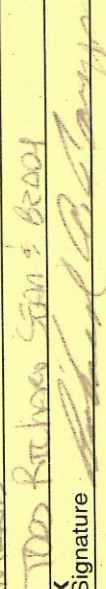
Home Office 190th US 56 HWY, Ellinwood, KS 67526

Todd's Cell 620-388-5422

Rich's Cell 620-727-3409

Darin's Cell 785-445-2686

Brady's Cell 620-727-6964

Date	6-24-11	Sec.	24	Twp.	32	Range	10	County	Boone	State	Ks	On Location		Finish	11:00
Lease	STOLE		Well No.	1-24			Location	SHARON KS E to Coline							
Contractor	MINNESOTA Pkg 101														
Type Job	Surfacing														
Hole Size	12 1/4														
Csg.	8 5/8														
Tbg. Size															
Tool															
Cement Left in Csg.	Shoe Joint 22														
Meas Line	Displace 19-7000														
EQUIPMENT															
Pumptrk	8	No.	7000												
Bulktrk	7	No.	Packed												
Bulktrk		No.	SCAN												
Pickup		No.	SCAN												
JOB SERVICES & REMARKS															
Rat Hole															
Mouse Hole															
Centralizers															
Baskets															
D/V or Port Collar															
	Run 7 H's 890 set 326'														
	Mud Pump 235 x 6040														
	2.6 GEL 396 1/4" CF.														
	A.7# GAL 1.25 #13														
	SHUT DOWN														
	RELEASE PUG														
	Disc 15-7 13hls total														
	Close Valve on csg														
	Plug Down 9' 10.30														
	GOOD CIRC then JOBS														
	CIRG OUT TO PIT														
	-Mud														
	TOP BENCH SIGN 62001														
X Signature															
														Tax	
														Discount	
														Total Charge	

QUALITY WELL SERVICE, INC.

5219

Federal Tax I.D. # 481187368

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

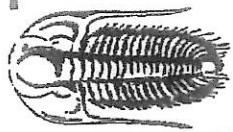
Todd's Cell 620-388-5422
Darin's Cell 785-445-2686

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

Date	7-6-11	Sec.	2A	Twp.	32	Range	10	County	Barber	State	Ks	On Location		Finish	12-12
Lease	SDX	Well No.	1-24			Location	Barber - Harper Co-Line								
Contractor	Hynes & Sons														
Type Job	5 1/2" T.D. 5025														
Hole Size	7 7/8" Depth 4947.17														
Csg.	6 1/2" Depth														
Tbg. Size	Depth														
Tool	Depth														
Cement Left in Csg.	Shoe Joint 30.93														
Meas Line	Displace 117														
EQUIPMENT															
Pumptrk	No.	Basket													
Bulktrk	No.	Tool													
Bulktrk	No.														
Pickup	No.	Darin													
JOB SERVICES & REMARKS															
Rat Hole	20 ft														
Mouse Hole	15 ft														
Centralizers	6-9-14-18														
Baskets	5-18														
D/V or Port Collar															
Run 130 #4's 5 1/2" 15 1/4"															
set 4947.17															
Dene Ball															
set PKR															
M&S Pump 145x Pro-C															
14.0 #gal 144 #13															
SWT down wash up PK LINE															
Release Plug															
Dene 117 Bbl total															
Good Case thru 203															
Plug down @ 9:30 1500'															
Release @ 11:00															
Pumptrk Charge 15															
Mileage 10															
Tax															
Discount															
Total Charge															

X Signature

Handwritten signature: *W. Brady*
 2011 Brady & Sons
 Barber, KS



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: 042469 DST#: 1
 Test Start: 2011.06.30 @ 05:48:43

GENERAL INFORMATION:

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

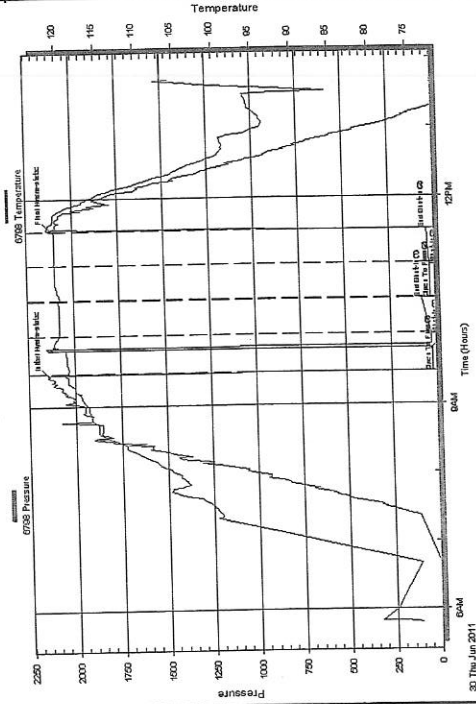
Test Type: Conventional Bottom Hole
 Tester: Leal Cason
 Unit No: 45
 Reference Elevations: 1439.00 ft (KB)
 1427.00 ft (CF)
 12.00 ft
 KB to GR/CF:

Serial #: 6798
 Press@RunDepth: 27.40 psig @ 4329.00 ft (KB)
 Start Date: 2011.06.30
 Start Time: 05:48:44
 End Date: 2011.06.30
 End Time: 13:41:43

Capacity: 8000.00 psig
 Last Callb.: 2011.06.30
 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 vs. Time



PRESSURE SUMMARY

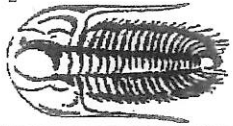
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2141.19	119.45	Initial Hydro-static
2	18.93	118.94	Open To Flow (1)
22	21.24	119.31	Flushed Tool
35	24.35	120.12	Shut-In(1)
64	75.34	120.14	End Shut-In(1)
65	24.02	119.98	Open To Flow(2)
96	27.40	120.62	Shut-In(2)
125	40.24	120.62	End Shut-In(2)
126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

Stone #1-24

PO Box 847
Pratt, KS 67124

24-32s-10w Barber, KS

Job Ticket: 042469 DST#: 1

ATTN: Dave Williams

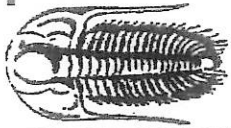
Test Start: 2011.06.30 @ 05:48:43

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
 Drill Pipe Above KB: 10.00 ft Total Volume: 60.47 bbl Tool Chased ft
 Depth to Top Packer: 4328.00 ft String Weight: initial 52000.00 lb
 Depth to Bottom Packer: ft Final 52000.00 lb
 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



**TRIOBITE
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

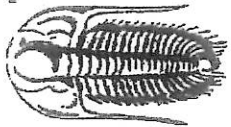
Test Start: 2011.06.30 @ 05:48:43

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
 Drill Pipe Above KB: 10.00 ft Total Volume: 60.47 bbl Tool Chased ft
 Depth to Top Packer: 4328.00 ft String Weight: Initial 52000.00 lb
 Depth to Bottom Packer: ft Final 52000.00 lb
 Interval betw een 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-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

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 14.77 in³
Resistivity: ohm.m
Salinity: 4500.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length:
Cushion Volume:
Gas Cushion Type:
Gas Cushion Pressure:

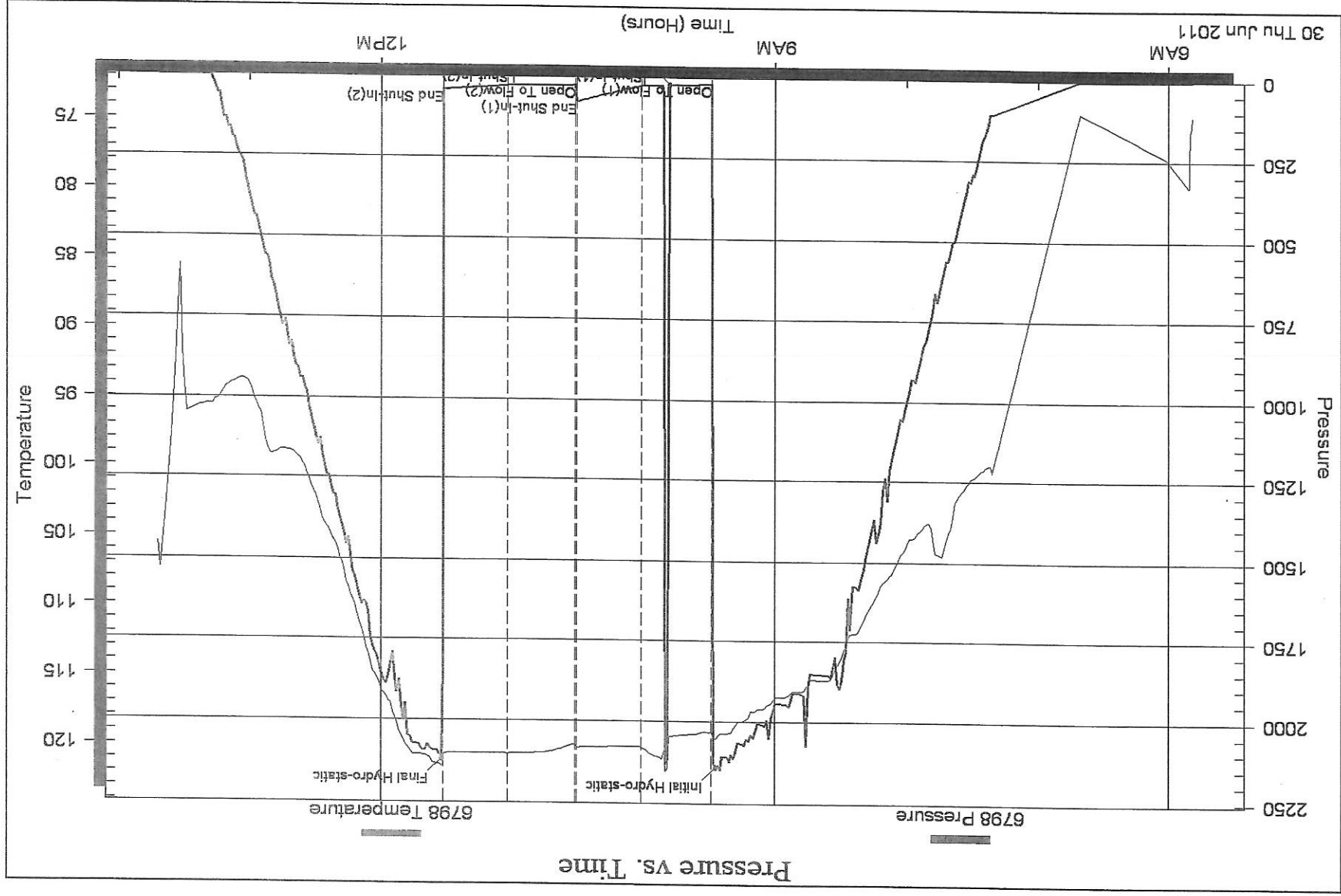
Oil A Ft:
Water Salinity:
ft
bbl
psig
deg API
ppm

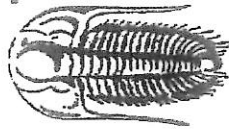
Recovery Information

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

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

GENERAL INFORMATION:

Formation: Mississippi
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:41:54
 Time Test Ended: 17:57:09
 Interval: 4338.00 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

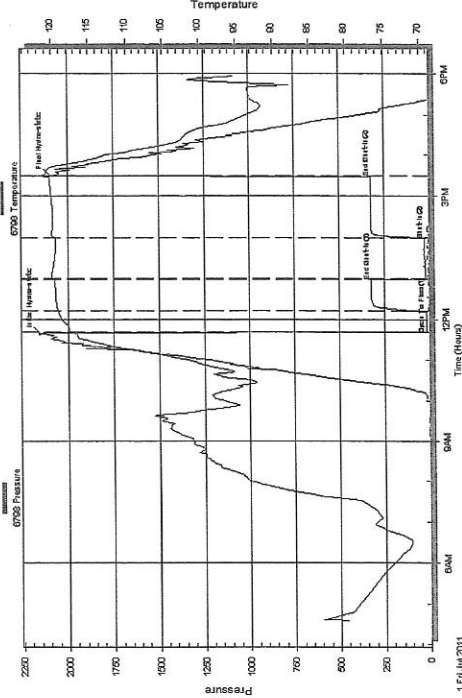
Reference Elevations: 1439.00 ft (KB)
 1427.00 ft (CF)
 12.00 ft
 KB to GR/CF:

Serial #: 6798 Inside
 Press@RunDepth: 27.55 psig @ 4359.00 ft (KB)
 Start Date: 2011.07.01 End Date:
 Start Time: 04:35:40 End Time:

Capacity: 8000.00 psig
 Last Callb.: 2011.07.01
 Time On Btmr: 2011.07.01 @ 11:38:39
 Time Off Btmr: 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 vs. Time



PRESSURE SUMMARY

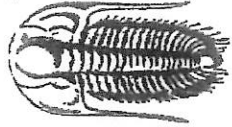
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2155.63	116.53	Initial Hydro-static
4	20.46	117.38	Open To Flow (1)
34	17.14	119.14	Shut-In(1)
80	325.83	119.69	End Shut-In(1)
81	18.06	119.91	Open To Flow(2)
140	27.55	119.52	Shut-In(2)
230	326.34	120.39	End Shut-In(2)
231	2096.96	121.76	Final Hydro-static

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)



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

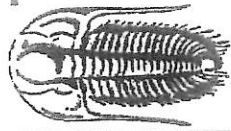
Test Start: 2011.07.01 @ 04:35:39

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 Full Loose: 60000.00 lb
 Drill Pipe Above KB: 12.00 ft Tool Chased ft
 Depth to Top Packer: 4358.00 ft String Weight: Initial 52000.00 lb
 Depth to Bottom Packer: ft Final 53000.00 lb
 Interval between Packers: 18.00 ft
 Tool Length: 45.00 ft
 Number of Packers: 2 Diameter: 6.75 inches
 Total Volume: 60.92 bbl
 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	
Bullhose	3.00			4376.00	18.00 Bottom Packers & Anchor

Total Tool Length: 45.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Iuka-Carmi Development

Stone #1-24

FO 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 in³
Resistivity: ohm-m
Salinity: 4000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length:
Cushion Volume:
Gas Cushion Type:
Gas Cushion Pressure:

Oil API:
Water Salinity:
ft
bbl
psig
deg API
ppm

Recovery Information

Recovery Table

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

Total Length: 20.00 ft Total Volume: 0.281 bbl

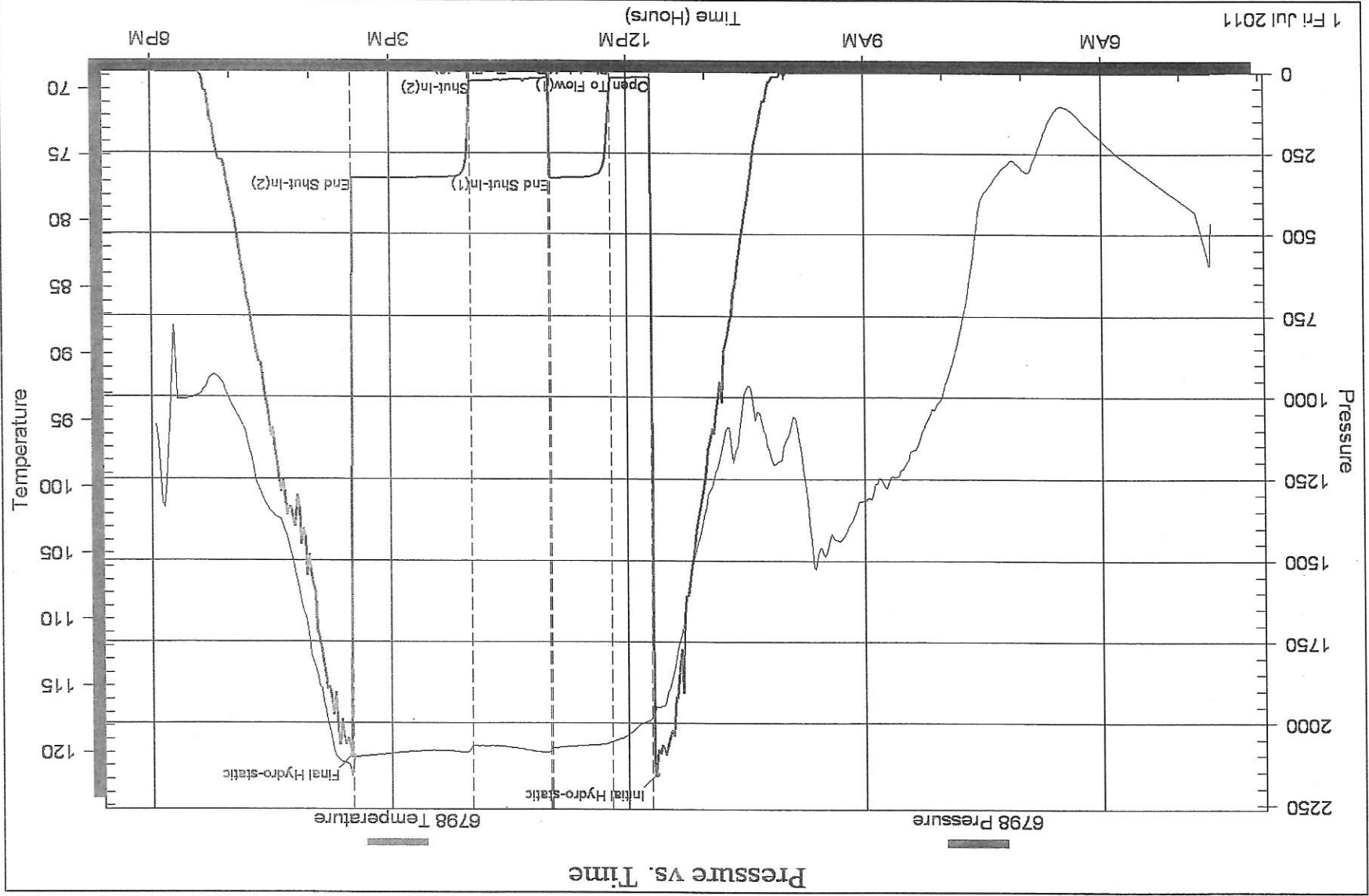
Nm Fluid Samples: 0

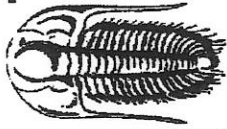
Serial #:

Laboratory Name:

Nm Gas Bombs: 0
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** ft (KB)
 Deviated: **No** Whipstock:
 Time Tool Opened: 09:33:56
 Time Test Ended: 15:08:11
Interval: 4376.00 ft (KB) To 4386.00 ft (KB) (TVD)
 Total Depth: 4386.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inchesHole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Leal Cason
 Unit No: 45
 Reference Elevations: 1439.00 ft (KB)
 1427.00 ft (CF)
 12.00 ft
 KB to GR/CF:

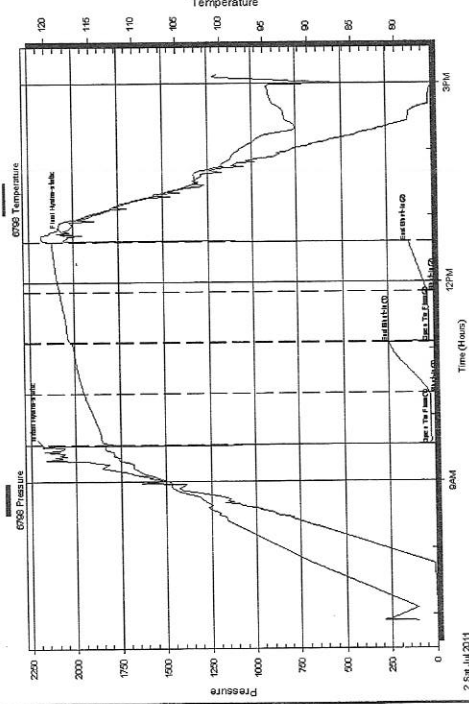
Serial #: 6798

Inside
 Press@RunDepth: 30.21 psig @ 4377.00 ft (KB)
 Start Date: 2011.07.02 End Date:
 Start Time: 06:53:57 End Time:

Capacity: 8000.00 psig
 Last Callb.: 2011.07.02
 Time On Btm: 2011.07.02 @ 09:31:56
 Time Off Btm: 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 vs. Time



PRESSURE SUMMARY

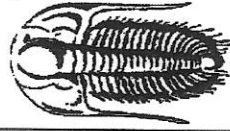
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2173.82	113.54	Initial Hydro-static
2	24.13	112.16	Open To Flow (1)
48	23.12	115.90	Shut-In(1)
93	247.60	117.15	End Shut-In(1)
94	20.96	117.32	Open To Flow (2)
140	30.21	118.59	Shut-In(2)
185	136.90	119.42	End Shut-In(2)
192	2049.71	119.78	Final Hydro-static

Recovery

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

Gas Rates

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



**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

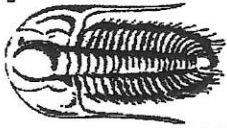
Tool Information

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
 Drill Pipe Above KB: 24.00 ft Total Volume: 61.34 bbl
 Depth to Top Packer: 4376.00 ft
 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 Chased
 String Weight: Initial 56000.00 lb
 Final 56000.00 lb

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
Mud Weight: 9.00 lb/gal
Viscosity: 53.00 sec/qt
Water Loss: 9.59 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API
ppm

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

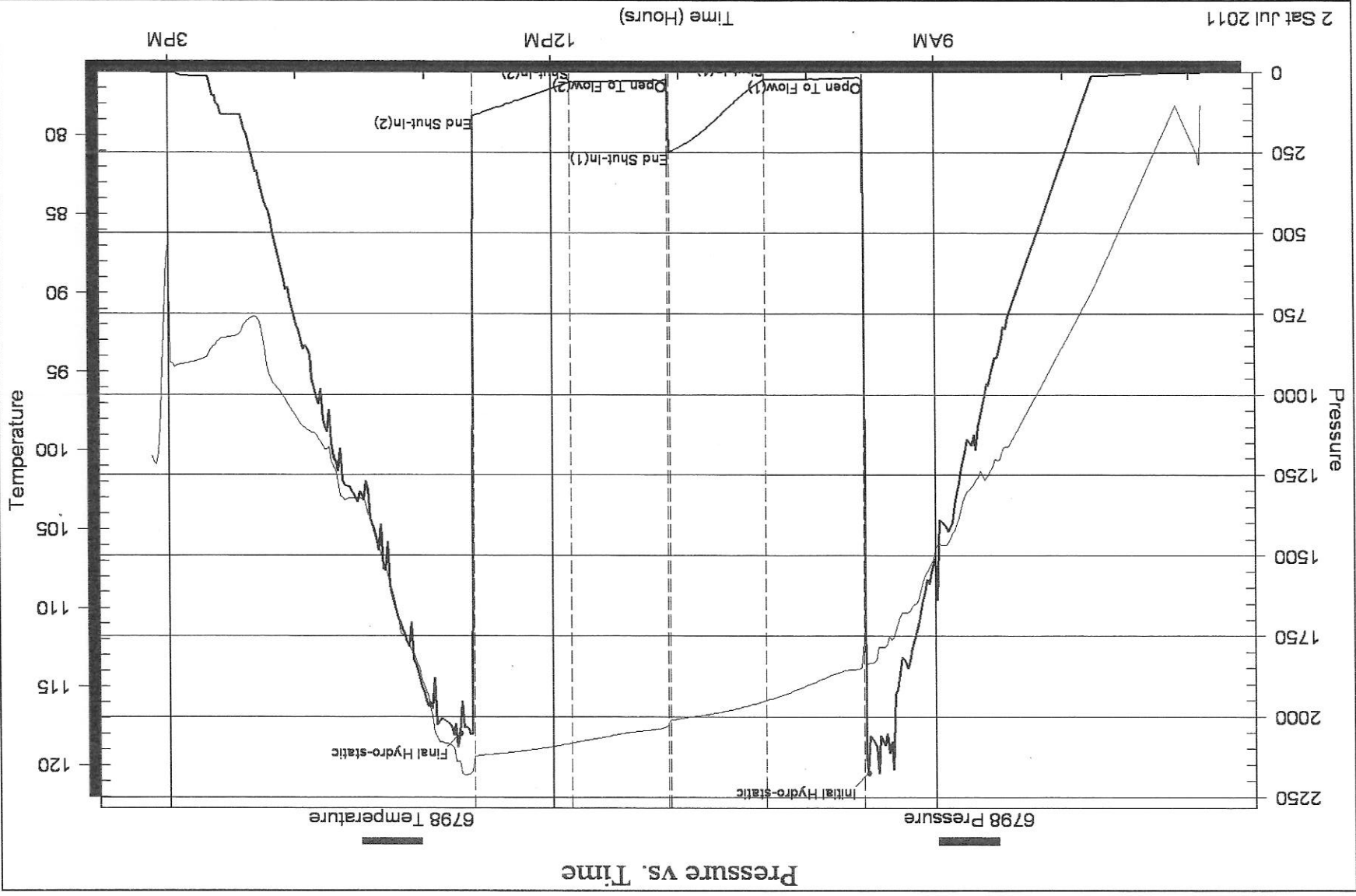
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



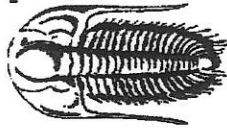
DST Test Number: 3

24-32s-10w Barber KS

Iuka-Carmi Development

Inside

Serial #: 6798



**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: 042472

DST#: 4

ATTN: Dave Williams

Test Start: 2011.07.03 @ 18:23:11

GENERAL INFORMATION:

Formation: **Viola** ft (KB)
 Deviated: No Whipstock:
 Time Tool Opened: 21:41:11
 Time Test Ended: 03:24:41
 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

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

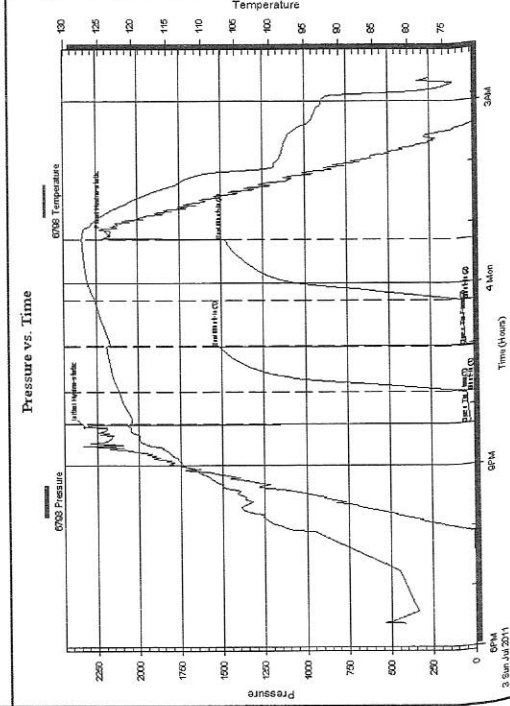
Reference Elevations: 1439.00 ft (KB)
 1427.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 6798 Inside

Press@RunDepth: 65.57 psig @ 4663.00 ft (KB)
 Start Date: 2011.07.03 End Date:
 Start Time: 18:23:12 End Time:

Capacity: 8000.00 psig
 Last Callib.: 2011.07.04
 Time On Btmr: 2011.07.03 @ 21:38:11
 Time Off Btmr: 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

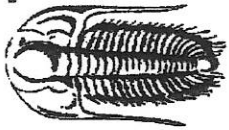
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2322.34	120.54	Initial Hydro-static
3	27.61	120.40	Open To Flow (1)
35	43.13	122.07	Shut-In(1)
79	1513.33	123.94	End Shut-In(1)
80	36.13	123.53	Open To Flow(2)
125	65.57	125.60	Shut-In(2)
186	1481.33	127.41	End Shut-In(2)
190	2172.43	127.32	Final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

Recovery

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

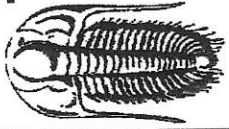
Tool Information

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
 Drill Pipe Above KB: 18.00 ft Total Volume: 65.27 bbl Tool Chased ft
 Depth to Top Packer: 4662.00 ft String VWeight: Initial 58000.00 lb
 Depth to Bottom Packer: ft Final 59000.00 lb
 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



**TRIOBITE
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 in³
Resistivity: ohm.m
Salinity: 7000.00 ppm
Filter Cake: 0.20 inches

Cushion Type:
Cushion Length:
Cushion Volume:
Gas Cushion Type:
Gas Cushion Pressure:

Oil API: deg API
Water Salinity: 90000 ppm
ft
bbl
psig

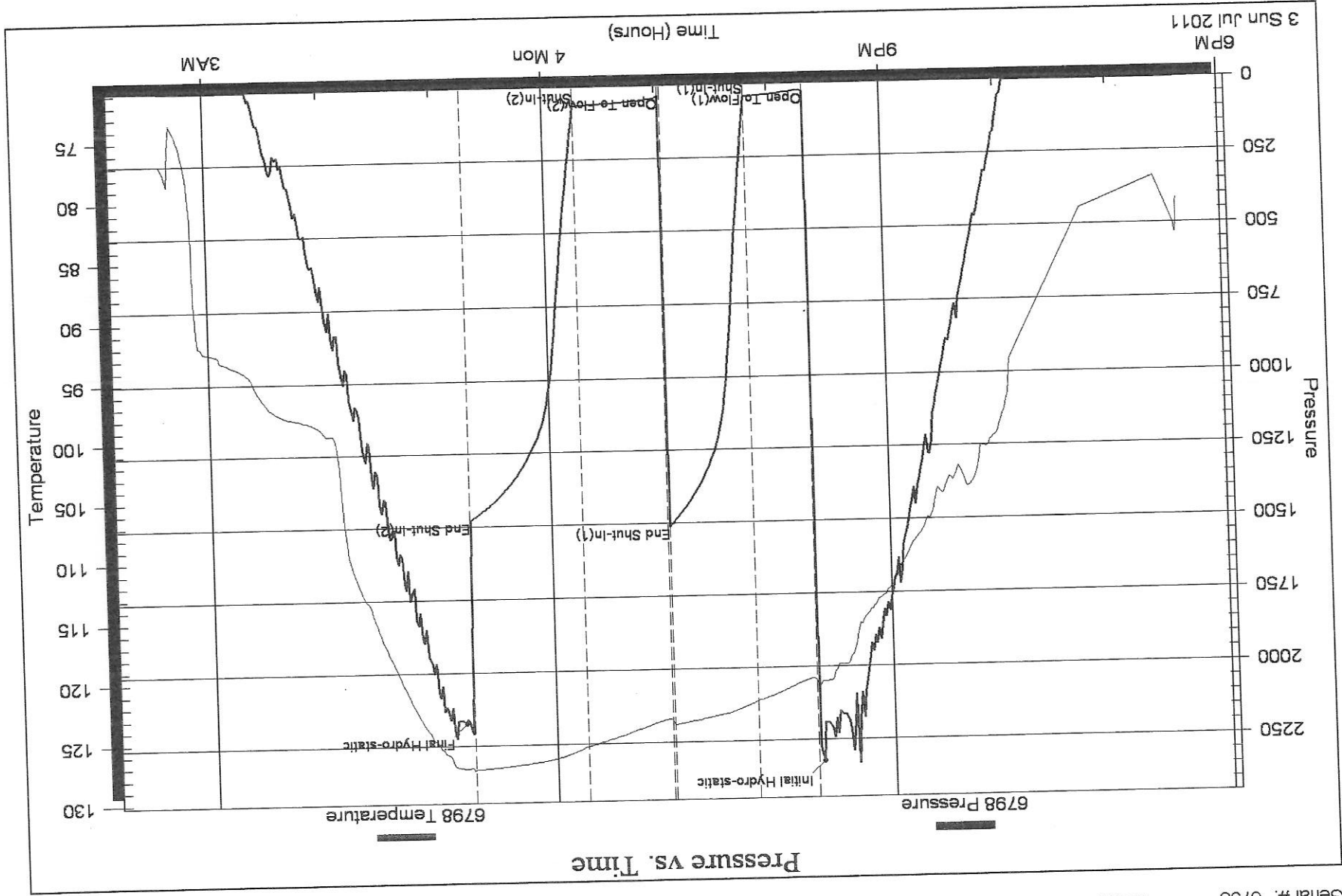
Recovery Information

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



Serial #: 6798

Inside

Iuka-Carrt Development

24-32s-10w Barber, KS

DST Test Number: 4

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