

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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DRILL STEM TEST REPORT

Prepared For: **Gore Oil Co.**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmaltz

Sarver 'A' #1

1-9s-16w Rooks KS

Start Date: 2016.08.21 @ 10:10:00

End Date: 2016.08.21 @ 16:04:15

Job Ticket #: 65419 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.08.24 @ 08:51:49



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Co.
PO Box 2757
Wichita, KS 67202
ATTN: Chuck Schmaltz

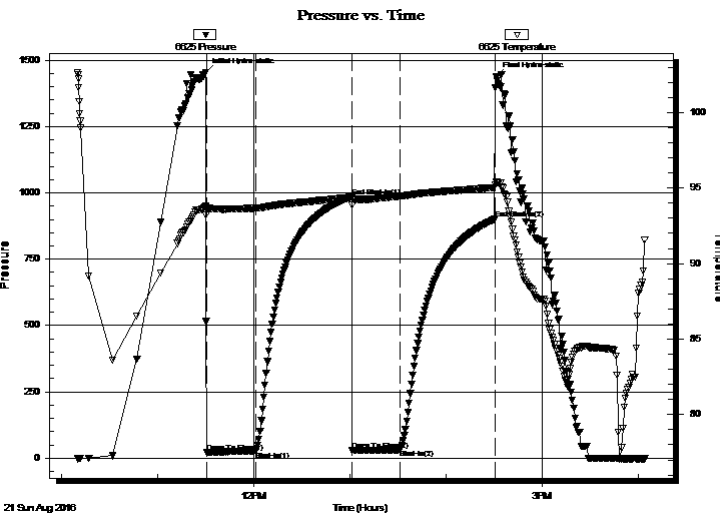
1-9s-16w Rooks KS
Sarver 'A' #1
Job Ticket: 65419 **DST#: 1**
Test Start: 2016.08.21 @ 10:10:00

GENERAL INFORMATION:

Formation: **Topeka**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:30:30
Time Test Ended: 16:04:15
Interval: **2982.00 ft (KB) To 3040.00 ft (KB) (TVD)**
Total Depth: 3040.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: James Winder
Unit No: 83
Reference Elevations: 2075.00 ft (KB)
2067.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
Press@RunDepth: 31.77 psig @ 2983.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.08.21 End Date: 2016.08.21 Last Calib.: 2016.08.21
Start Time: 10:10:05 End Time: 16:04:14 Time On Btm: 2016.08.21 @ 11:30:00
Time Off Btm: 2016.08.21 @ 14:31:30

TEST COMMENT: 30 - IF: 1/2" Blow at open, built to 3/4"
60 - IS: No blow back
30 - FF: No blow
30 - FS: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1454.09	93.79	Initial Hydro-static
1	20.61	93.68	Open To Flow (1)
31	26.62	93.66	Shut-In(1)
91	986.26	94.37	End Shut-In(1)
92	28.39	93.87	Open To Flow (2)
121	31.77	94.45	Shut-In(2)
181	901.16	95.03	End Shut-In(2)
182	1438.56	95.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.10
0.00	Trace of oil in tool	0.00

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Co.
 PO Box 2757
 Wichita, KS 67202
 ATTN: Chuck Schmalz

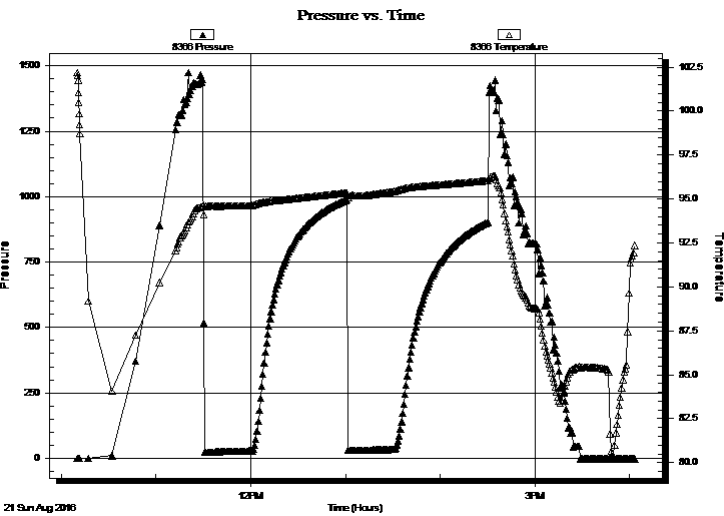
1-9s-16w Rooks KS
Sarver 'A' #1
 Job Ticket: 65419 **DST#: 1**
 Test Start: 2016.08.21 @ 10:10:00

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 11:30:30 Tester: James Winder
 Time Test Ended: 16:04:15 Unit No: 83
Interval: 2982.00 ft (KB) To 3040.00 ft (KB) (TVD) Reference Elevations: 2075.00 ft (KB)
 Total Depth: 3040.00 ft (KB) (TVD) 2067.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8366 Outside
 Press@RunDepth: psig @ 2983.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.21 End Date: 2016.08.21 Last Calib.: 2016.08.21
 Start Time: 10:10:05 End Time: 16:03:44 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30 - IF: 1/2" Blow at open, built to 3/4"
 60 - ISI: No blow back
 30 - FF: No blow
 30 - FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud 100%	0.10
0.00	Trace of oil in tool	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Co.
PO Box 2757
Wichita, KS 67202
ATTN: Chuck Schmaltz

1-9s-16w Rooks KS
Sarver 'A' #1
Job Ticket: 65419 **DST#: 1**
Test Start: 2016.08.21 @ 10:10:00

Tool Information

Drill Pipe:	Length: 2850.00 ft	Diameter: 3.80 inches	Volume: 39.98 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 40.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2982.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	87.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			2954.00	
Shut In Tool	5.00			2959.00	
Hydraulic tool	5.00			2964.00	
Jars	5.00			2969.00	
Safety Joint	3.00			2972.00	
Packer	5.00			2977.00	29.00 Bottom Of Top Packer
Packer	5.00			2982.00	
Stubb	1.00			2983.00	
Recorder	0.00	6625	Inside	2983.00	
Recorder	0.00	8366	Outside	2983.00	
Perforations	20.00			3003.00	
Blank Spacing	33.00			3036.00	
Perforations	1.00			3037.00	
Bullnose	3.00			3040.00	58.00 Bottom Packers & Anchor

Total Tool Length: 87.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Co.
PO Box 2757
Wichita, KS 67202
ATTN: Chuck Schmaltz

1-9s-16w Rooks KS
Sarver 'A' #1
Job Ticket: 65419 **DST#: 1**
Test Start: 2016.08.21 @ 10:10:00

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud 100%	0.098
0.00	Trace of oil in tool	0.000

Total Length: 20.00 ft Total Volume: 0.098 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

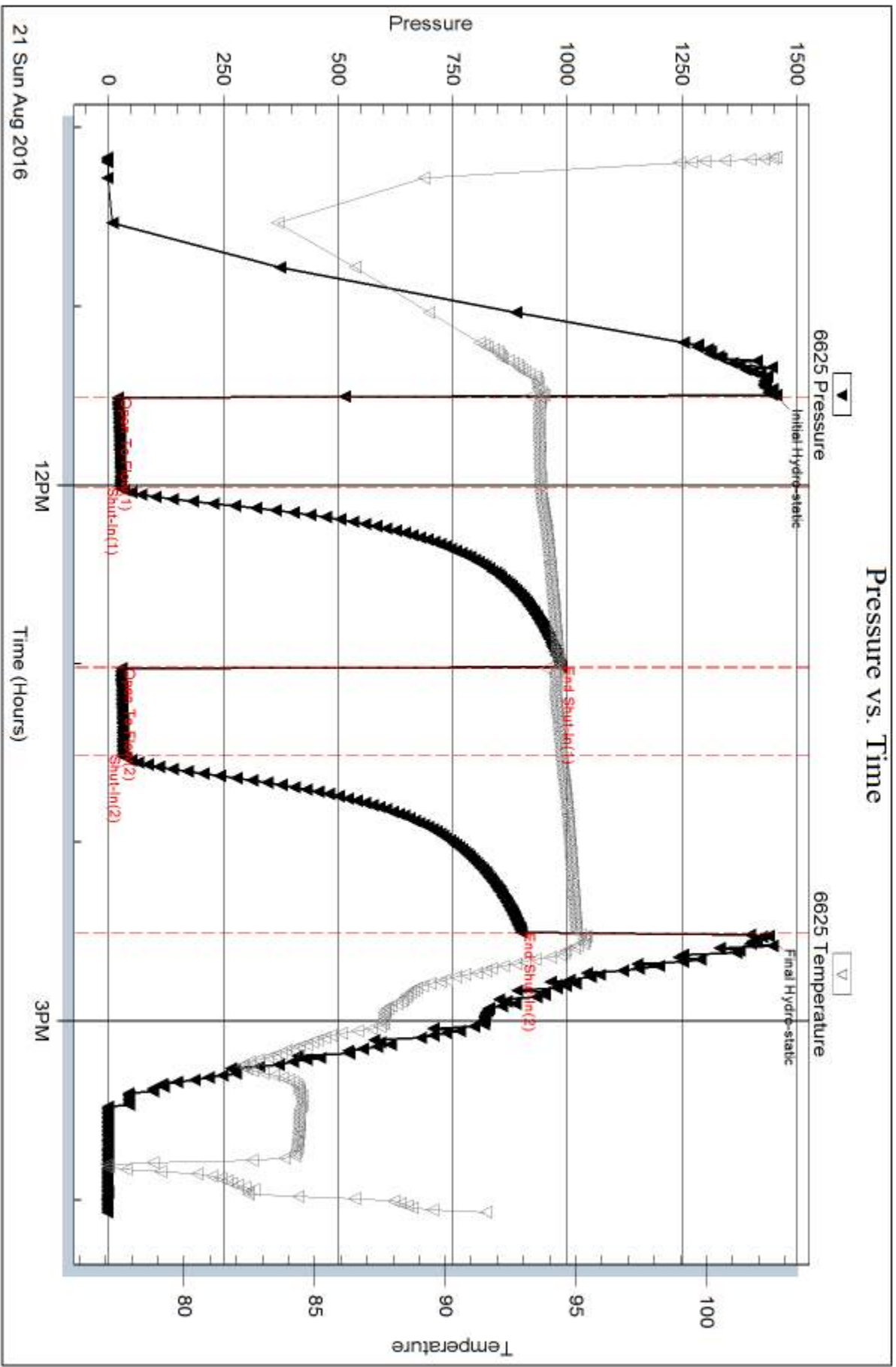
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Inside

Gore Oil Co.

Server 'A' #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65A19

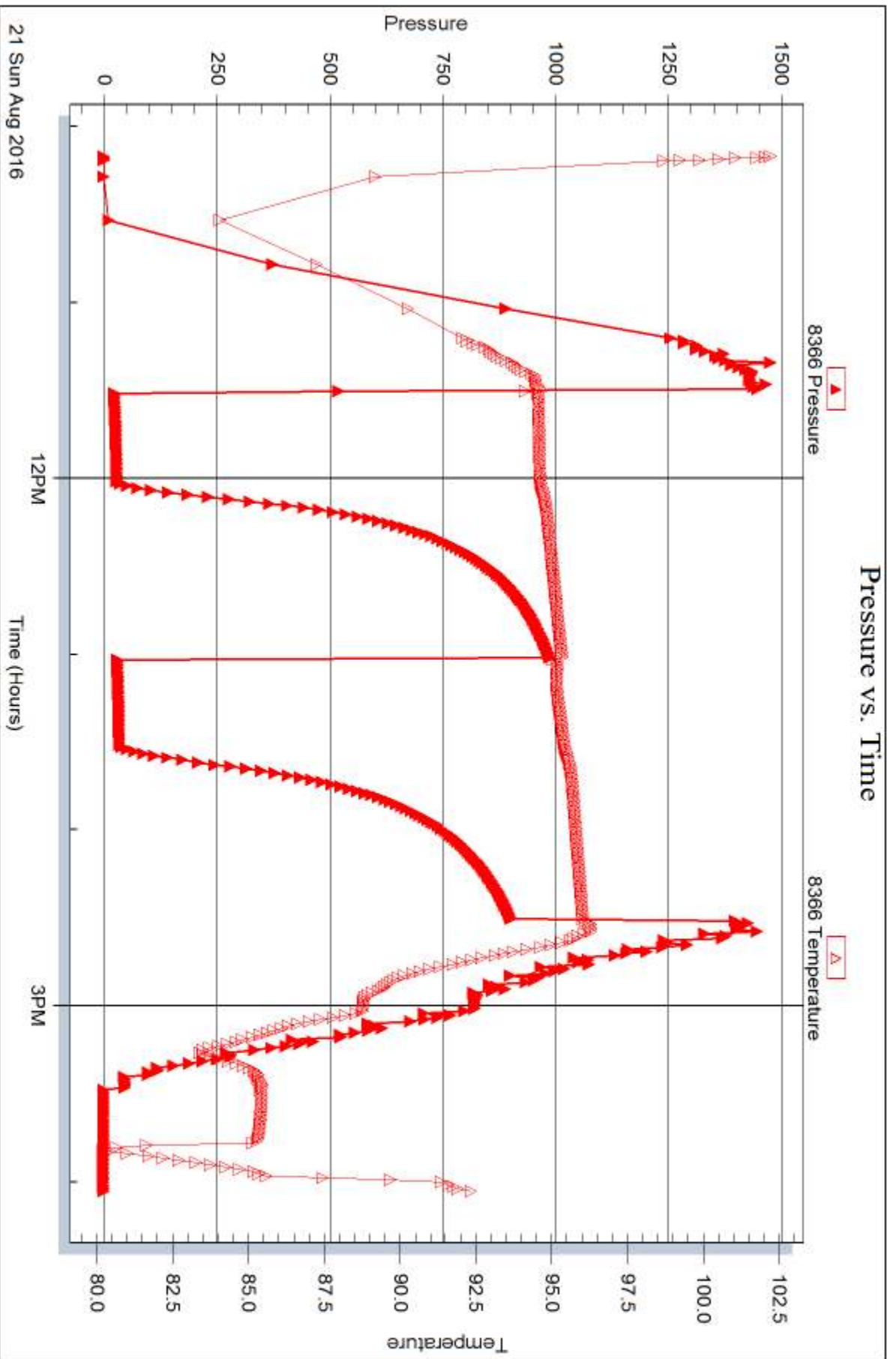
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Serial #: 8366

Outside Gore Oil Co.

Server 'A' #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 65A19

Printed: 2016.08.24 @ 08:51:50



DRILL STEM TEST REPORT

Prepared For: **Gore Oil Co.**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmaltz

Sarver 'A' #1

1-9s-16w Rooks KS

Start Date: 2016.08.22 @ 14:02:00

End Date: 2016.08.22 @ 21:42:15

Job Ticket #: 65420 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2016.08.24 @ 08:51:02



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Co.
 PO Box 2757
 Wichita, KS 67202
 ATTN: Chuck Schmaltz

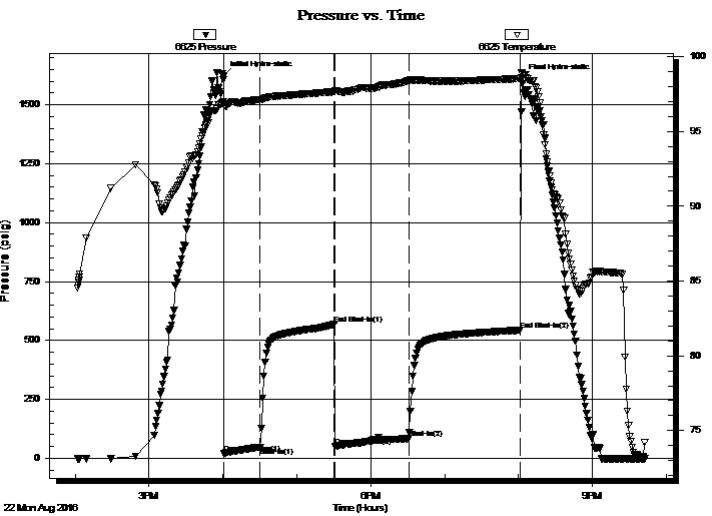
1-9s-16w Rooks KS
Sarver 'A' #1
 Job Ticket: 65420 **DST#: 2**
 Test Start: 2016.08.22 @ 14:02:00

GENERAL INFORMATION:

Formation: **Toronto - LKC"G"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:00:45
 Time Test Ended: 21:42:15
 Interval: **3197.00 ft (KB) To 3358.00 ft (KB) (TVD)**
 Total Depth: 3358.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: James Winder
 Unit No: 83
 Reference Elevations: 2075.00 ft (KB)
 2067.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6625 Inside
 Press@RunDepth: 83.80 psig @ 3198.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.22 End Date: 2016.08.22 Last Calib.: 2016.08.22
 Start Time: 14:02:05 End Time: 21:42:14 Time On Btm: 2016.08.22 @ 16:00:30
 Time Off Btm: 2016.08.22 @ 20:02:30

TEST COMMENT: 30 - IF: 1/4" Blow at open, surging blow built to 2 1/4"
 60 - ISI: No blow back
 60 - FF: Blow started at 11 min., surging blow built to 2 1/2"
 90 - FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1622.17	97.03	Initial Hydro-static
1	19.78	96.81	Open To Flow (1)
30	47.84	97.12	Shut-In(1)
90	568.12	97.66	End Shut-In(1)
91	51.01	97.66	Open To Flow (2)
151	83.80	98.41	Shut-In(2)
241	543.73	98.53	End Shut-In(2)
242	1612.62	98.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud w/oil spots 99%m, 1%o	0.73

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Co.
PO Box 2757
Wichita, KS 67202
ATTN: Chuck Schmaltz

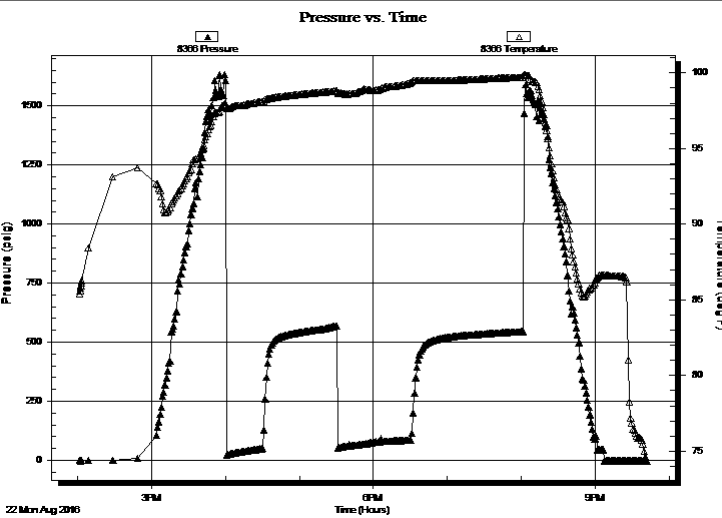
1-9s-16w Rooks KS
Sarver 'A' #1
Job Ticket: 65420 **DST#: 2**
Test Start: 2016.08.22 @ 14:02:00

GENERAL INFORMATION:

Formation: **Toronto - LKC"G"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 16:00:45 Tester: James Winder
Time Test Ended: 21:42:15 Unit No: 83
Interval: 3197.00 ft (KB) To 3358.00 ft (KB) (TVD) Reference Elevations: 2075.00 ft (KB)
Total Depth: 3358.00 ft (KB) (TVD) 2067.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8366 Outside
Press@RunDepth: psig @ 3198.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.08.22 End Date: 2016.08.22 Last Calib.: 2016.08.22
Start Time: 14:02:05 End Time: 21:41:44 Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF: 1/4" Blow at open, surging blow built to 2 1/4"
60 - ISI: No blow back
60 - FF: Blow started at 11 min., surging blow built to 2 1/2"
90 - FSI: No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Mud w/oil spots 99%m, 1%o	0.73

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Co.
PO Box 2757
Wichita, KS 67202
ATTN: Chuck Schmaltz

1-9s-16w Rooks KS
Sarver 'A' #1
Job Ticket: 65420 **DST#: 2**
Test Start: 2016.08.22 @ 14:02:00

Tool Information

Drill Pipe:	Length: 3071.00 ft	Diameter: 3.80 inches	Volume: 43.08 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: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 43.67 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	23.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3197.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	161.00 ft			
Tool Length:	190.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3169.00	
Shut In Tool	5.00			3174.00	
Hydraulic tool	5.00			3179.00	
Jars	5.00			3184.00	
Safety Joint	3.00			3187.00	
Packer	5.00			3192.00	29.00 Bottom Of Top Packer
Packer	5.00			3197.00	
Stubb	1.00			3198.00	
Recorder	0.00	6625	Inside	3198.00	
Recorder	0.00	8366	Outside	3198.00	
Perforations	29.00			3227.00	
Blank Spacing	127.00			3354.00	
Perforations	1.00			3355.00	
Bullnose	3.00			3358.00	161.00 Bottom Packers & Anchor

Total Tool Length: 190.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Co.
PO Box 2757
Wichita, KS 67202
ATTN: Chuck Schmaltz

1-9s-16w Rooks KS
Sarver 'A' #1
Job Ticket: 65420 **DST#: 2**
Test Start: 2016.08.22 @ 14:02:00

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: 59.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Mud w /oil spots 99%m, 1%o	0.730

Total Length: 130.00 ft Total Volume: 0.730 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

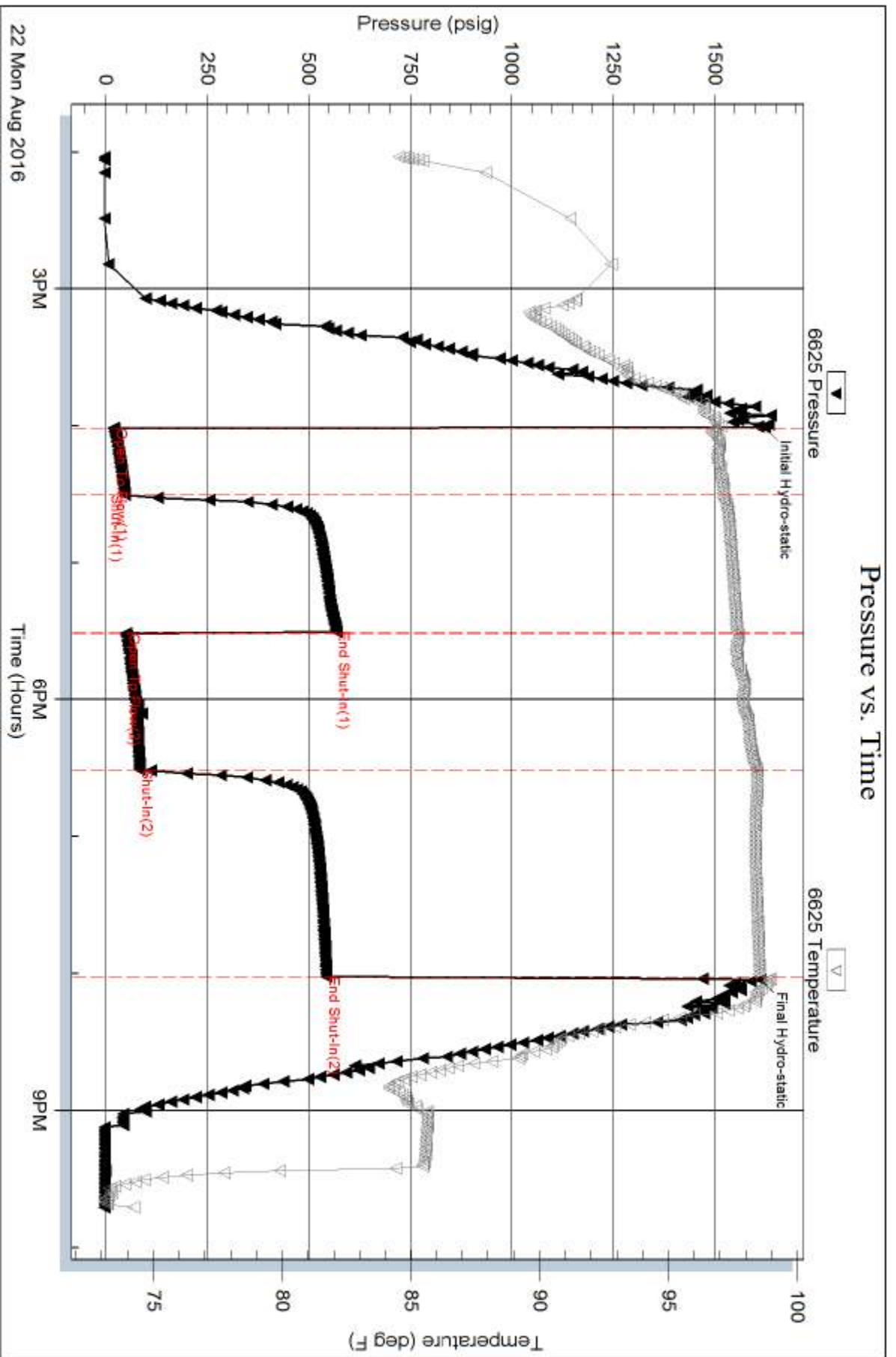
Serial #: 6625

Inside

Gore Oil Co.

Server 'A' #1

DST Test Number: 2



Tribble Testing, Inc

Ref. No: 65420

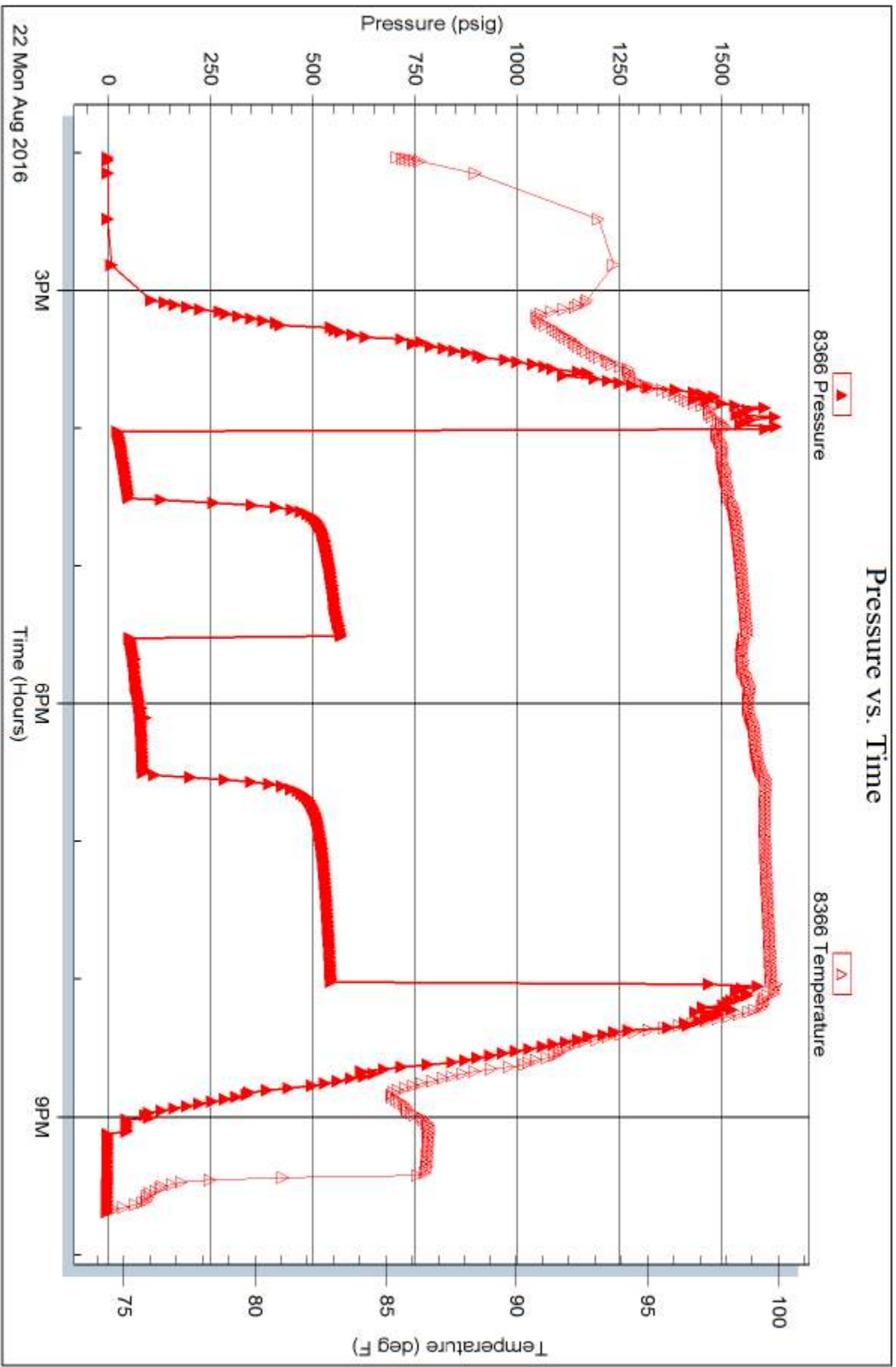
Printed: 2016.08.24 @ 08:51:03

Serial #: 8366

Outside Gore Oil Co.

Server 'A' #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 65420

Printed: 2016.08.24 @ 08:51:03



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65419**

Well Name & No. Sarver 'A' #1 Test No. 1 Date 8-21-16
 Company Gore Oil Co Elevation 2075 KB 2067 GL
 Address 202 S St Francis PO Box 2757 Wichita, KS 67202
 Co. Rep / Geo. Chuck Schmalz Rig WW #12
 Location: Sec. 1 Twp. 9s Rge. 16w Co. Rooks State KS

Interval Tested 2982-3040 Zone Tested Topeka
 Anchor Length 58 Drill Pipe Run 2850 Mud Wt. 8.9
 Top Packer Depth 2977 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 2982 Wt. Pipe Run - WL 6.8
 Total Depth 3040 Chlorides 3000 ppm System LCM 2

Blow Description IF: 1/2" Blow at open, built to 3/4"
ISI: No blowback
FF: No blow
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>20</u>	<u>Mud</u>			<u>100</u>	
	<u>trace of oil in tool</u>				

Rec Total 20 BHT 95 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1454 Test 1050 T-On Location 9:35
 (B) First Initial Flow 20 Jars 250 T-Started 10:10
 (C) First Final Flow 27 Safety Joint 75 T-Open 11:30
 (D) Initial Shut-In 986 Circ Sub _____ T-Pulled 14:30
 (E) Second Initial Flow 28 Hourly Standby _____ T-Out 16:00
 (F) Second Final Flow 32 Mileage 88RT 66 Comments Note 1
 (G) Final Shut-In 901 Sampler _____
 (H) Final Hydrostatic 1438 Straddle _____

Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1441
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Approved By [Signature] Our Representative James Winder

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **65420**

Well Name & No. Sarver 'A' #1 Test No. 2 Date 8-22-16
 Company Gore Oil Co. Elevation 2075 KB 2067 GL
 Address 202 S St. Francis PO Box 2757 Wichita, KS 67202
 Co. Rep / Geo. Chuck Schmalz Rig LWW #12
 Location: Sec. 1 Twp. 9s Rge. 16w Co. Rooks State KS

Interval Tested 3197-3358 Zone Tested Toronto - Lans. "G"
 Anchor Length 161 Drill Pipe Run 3071 Mud Wt. 9.0
 Top Packer Depth 3192 Drill Collars Run 120 Vis 59
 Bottom Packer Depth 3197 Wt. Pipe Run - WL 6.8
 Total Depth 3358 Chlorides 3500 ppm System LCM 5

Blow Description IF: 1/4" Blow at open, surging blow built to 2 1/4"
ISI: No blowback
FF: Blow started at 11 min., surging blow built to 2 1/2"
FSI: No blowback

Rec	Feet of	%gas	%oil	%water	%mud
<u>130</u>	<u>Mud w/oil spots</u>	<u>1</u>		<u>99</u>	
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

Rec Total 130 BHT 99 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1622</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>13:15</u>
(B) First Initial Flow <u>20</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>14:02</u>
(C) First Final Flow <u>48</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>16:00</u>
(D) Initial Shut-In <u>568</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>20:01</u>
(E) Second Initial Flow <u>51</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>21:40</u>
(F) Second Final Flow <u>84</u>	<input checked="" type="checkbox"/> Mileage <u>88 RT x 2</u> <u>132</u>	Comments <u>Hotel</u>
(G) Final Shut-In <u>544</u>	<input type="checkbox"/> Sampler _____	<u>loaded 20:30 8/23</u>
(H) Final Hydrostatic <u>1613</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 60
 Final Shut-In 90

Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Sub Total 1507

Sub Total 0
 Total 1507
 MP/DST Disc't _____

Approved By [Signature] Our Representative James Winder

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CHARLES SCHMALTZ

CONSULTING GEOLOGIST
WICHITA, KANSAS

REPORT LOG

COMPANY: **GORE OIL CO.**

WELL: **SARVER 'A' #1**

FIELD: **LATON**

LOCATION: **330 FSL 1930 FWL**

SEC: **1** TWP: **9S** RGE: **16W**

COUNTY: **ROCKS**

STATE: **KANSAS**

API #: **15-163-24317-00-00**

LAND OWNERS: **MIDCO/SERVICE INC.**

CONTRACT: **W.W. DRILLING, RIG #12**

COMMENCED: **18 AUG 2016** (overhead) **23 AUG 2016**

LOGGING: **COSINE RECORDING**

SURFACE: **876 @ 211'** (production) **NONE**

TOTAL DEPTH: **3565'**

WELL LOG: **3560'**

PRODUCTION:

DATE: **2015**

TIME: **2015**

WELL: **2015**

WATER: **2015**

FIELD: **2015**

WELL: **2015**

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DRUM	STRUCTURAL POSITION
ANHYDRITE-TOP	1312	1310	+165	+21
TOPEKA	2973	2963	-893	N2
OREAD	3137	3131	-1056	-12
HEEBNER	3199	3192	-1117	-11
TORONTO	3220	3172	-1137	-8
LANSING	3243	3223	-1160	-7
BKC	3505	3500	-1425	N2
TOTAL DEPTH	3565	3560	-1485	-13

REFERENCE WELL FOR STRUCTURE: **GOERING-HEDRICK, SARVER #1**

SW 5W SW, SEC 1-19S-16W, ROCKS CTY, KANSAS

DRILL STEM TESTS

No.	Interval	EP/Time	SP/Time	FBP/Time	FBP/Time	DR-HH	REMARKS
1	2962-3040	20# 27"	986#	28# 32"	901#	1434#	20' MUD w/ SHOWN OIL IN TOOL-
2	3197-3358	20# 48"	568#	51# 84"	541#	1622#	130' VSOCM
	TOR-LANS#2	30"	60"	60"	90"	99#	

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	PIPE STRAP
1	1 1/4"	SMITH	R21	211'	211'	2	ORIGINATOR'S MARKERS:
2	1 1/8"	SMITH	F21	3565'	3548'	70%	@ 211' to 3565' - 5/8"

DAILY PENETRATION

DATE	DEPTH	NO DATE	DEPTH	ADJ. DATE	DEPTH	ADJ. DATE	DEPTH	ADJ. DATE	DEPTH
8-18	MICR & SPUD	4	8-21	3040'	TOU. DST #1	831	59	6.8	30
8-19	964'	5	8-22	3330'	CFS	910	59	6.8	26
8-20	2342'	6	8-22	3511'	DELS	912	60	7.6	28
8-22	3040'-05'					11.0	17	6	5
8-22	3298'					16.0	17	22	4
8-23	3490'								

LEGEND

Anhydrite Salt Sandstone Shale Carb sh Limestone Ool. Lime Chert Dolomite

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Decreases

5" 10" 15" 20" 25"

DEPTH

1300

10

20

30

40

1350

60

70

DEPTH

2800

10

20

30

40

2850

60

70

80

90

2900

10

20

30

40

2950

60

70

80

90

3000

10

20

30

40

3050

60

70

80

90

3100

10

20

30

40

3150

60

70

80

90

3200

10

20

30

40

3250

60

70

80

90

3300

10

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70

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90

3400

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30

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3450

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70

80

90

3500

10

20

30

40

3550

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REMARKS

ANHYDRITE-TOP 1312 (+763)

ANHYDRITE-BASE 1346 (+729)

TOPEKA 2973 (-898)

32 STAND SHORT TRIP PRIOR TO DST #1

DST #1 (2982-3040) 30"-60"-30"-60" IFP: 1/2" BLOW BLDG TO 3/4" ISIP: NO BLOW FFP: NO BLOW FSIP: NO BLOW RECOVERED: 20' MUD w/ SHOWN OIL IN TOOL HSP: 1454# - 1439# FFP: 20# 27" / 28# 32" SIP: 986# 901# BHT: 95° F

OREAD 3137 (-1062)

HEEBNER 3199 (-1124)

TORONTO 3220 (-1145)

LANSING 3243 (-1168)

12 STAND SHORT TRIP PRIOR TO DST #2

DST #2 (3197 - 3358) 30"-60"-60"-90" IFP: 1/4" BLOW BLDG TO 2 1/4" ISIP: NO BLOW FFP: BLOW STARTED IN 11 MIN BLDG TO 2 1/2" FSIP: NO BLOW RECOVERED: 130' VSOCM (1% O, 99% M) HSP: 1622# - 1613# FFP: 20# 48" / 51# 84" SIP: 568# 544# BHT: 99° F

BKC 3505 (-1430)

LTO 3560 (-1485)

RTD 3565 (-1490)

12 STAND SHORT TRIP PRIOR TO LOG

DEPTH

3500

10

20

30

3550

60

DRILLING TIME Minutes/Foot

5" 10" 15" 20" 25"

DEPTH

3500

10

20

30

3550

60

DEPTH

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QUALITY OILWELL CEMENTING, INC.

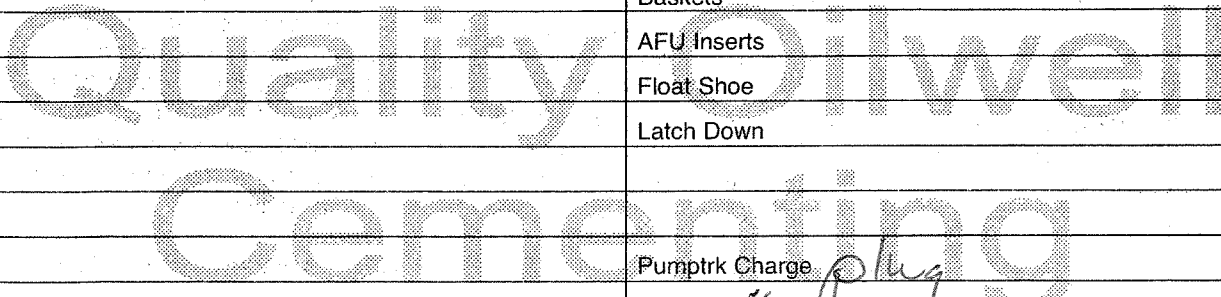
Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1755

Date	8-24-16	Sec.	1	Twp.	9	Range	16	County	ROCKS	State	KS	On Location		Finish	2:00 AM
Lease								Location		Plainsville 4E22RD NW 1/4 8E R230 20 T2D					
Lease								Well No.		Owner					
Contractor								Well No.		To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Type Job								Well No.		Charge To					
Hole Size								T.D.		Core Oil Company					
Csg.								Depth		Street					
Tbg. Size								Depth		City State					
Tool								Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered					
Meas Line								Displace		2106940 4-1-62 1/4" 10					
EQUIPMENT								Common		144					
Pumptrk								Cement Helper		96					
Bulktrk								Driver		9					
Bulktrk								Driver		Calcium					
JOB SERVICES & REMARKS								Hulls							
Remarks:								Salt							
Rat Hole								Flowseal		60#					
Mouse Hole								Kol-Seal							
Centralizers								Mud CLR 48							
Baskets								CFL-117 or CD110 CAF 38							
D/V or Port Collar								Sand							
1st								Handling		249					
2nd								Mileage							
3rd								FLOAT EQUIPMENT							
4th								Guide Shoe		8 5/8 Dry Hole Plug					
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge		plug					
								Mileage		41					
Signature								Tax							
								Discount							
								Total Charge							



GLOBAL CEMENTING, L.L.C.

2687

REMIT TO 1958 E. Highway 40
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>8-18-16</u>	SEC. <u>1</u>	TWP. <u>9</u>	RANGE <u>16</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Carver Sayer</u>	WELL # <u>A-1</u>		LOCATION <u>Plainville 12E TO RD 28</u>	COUNTY <u>Rooks</u>	STATE <u>KANSAS</u>		
OLD OR NEW (CIRCLE ONE) <u>NEW</u>			<u>8N TO RD R. 2E 15 T 12E N100</u>				

CONTRACTOR <u>W-W Rig #12</u>	
TYPE OF JOB <u>Cement Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D. <u>217'</u>
CASING SIZE <u>8 5/8 New</u>	DEPTH <u>217'</u>
TUBING SIZE <u>2 3/8 CSG.</u>	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX. <u>250#</u>	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS	
DISPLACEMENT <u>12.86 / 16 BBL</u>	
EQUIPMENT	
PUMP TRUCK # <u>P-2</u>	CEMENTER <u>Glenn G.</u>
	HELPER <u>Cody H.</u>
BULK TRUCK # <u>B-5</u>	DRIVER <u>Jason M.</u>
BULK TRUCK #	DRIVER

OWNER	
CEMENT AMOUNT ORDERED <u>200 sq Com.</u>	
<u>370 CC</u>	
<u>270 GEL</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	
TOTAL	

REMARKS:
Set 250 @ 217
Received Circulation
Mix 200 sq Cement
Displaced 13 BBL H₂O
Cement Did Circulate
TO SURFACE
SHUT IN @ 250#
THANKS

CHARGE TO: GORE Oil Company
 STREET _____
 CITY _____ STATE _____ ZIP _____

Global Cementing, L.L.C.,
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Calvin Phares
 SIGNATURE [Signature]

SERVICE	
DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@
TOTAL	

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
TOTAL	

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS