Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1245667

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5552
Name: Gore Oil Company
Address 1: 202 S ST FRANCIS
Address 2: PO BOX 2757
City: WICHITA State: KS Zip: 67202 + 4518
Contact Person: Pat Canaday
Phone: (316) 263-3535
CONTRACTOR: License # 34233
Name: Maverick Drilling LLC
Wellsite Geologist: Chuck Schmaltz
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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

10/11/2014	10/30/2014	10/30/2014
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26730-00-00
Spot Description:
SW NW NE SE Sec. 17 Twp. 14 S. R. 20 ☐ East ☑ West
2150 Feet from ☐ North / ☑ South Line of Section
1100 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ellis
Lease Name: Kingsley Well #: 5
Field Name:
Producing Formation: n/a
Elevation: Ground: 2162 Kelly Bushing: 2168
Total Vertical Depth: 3900 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 263 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: 19500 ppm Fluid volume: 700 bbls
Dewatering method used: Evaporated

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**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 03/16/2015

1245667

Operator Name: Gore Oil Company Lease Name: Kingsley Well #: 5

Sec. 17 Twp. 14 S. R. 20 ☐ East ☑ West County: Ellis

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

DIL
CN-CD
MEL

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ 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	12.25	8.765	23	263	Common	165	3% cc, 2% gel

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	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 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)*

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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)* _____

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Kingsley 5
Doc ID	1245667

Tops

Name	Top	Datum
Anhydrite	1460	+708
B/Anhydrite	1506	+662
Topeka	3181	-1013
Oread	3349	-1181
Heebner	3420	-1252
Toronto	3440	1272
Lansing	3458	-1290
BKC	3708	1540
Marmaton	3772	1604
Arbuckle	3830	1662
Reagan Sand	3842	1674

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

Kingsley #5

17-14s-20w Ellis,KS

Start Date: 2014.10.24 @ 16:47:00

End Date: 2014.10.25 @ 02:52:30

Job Ticket #: 60716 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.31 @ 08:31:37

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60716 **DST#: 1**

Test Start: 2014.10.24 @ 16:47:00

GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:28:30
Time Test Ended: 02:52:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Phillip Gage
Unit No: 70

Interval: 3345.00 ft (KB) To 3430.00 ft (KB) (TVD)
Total Depth: 3430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

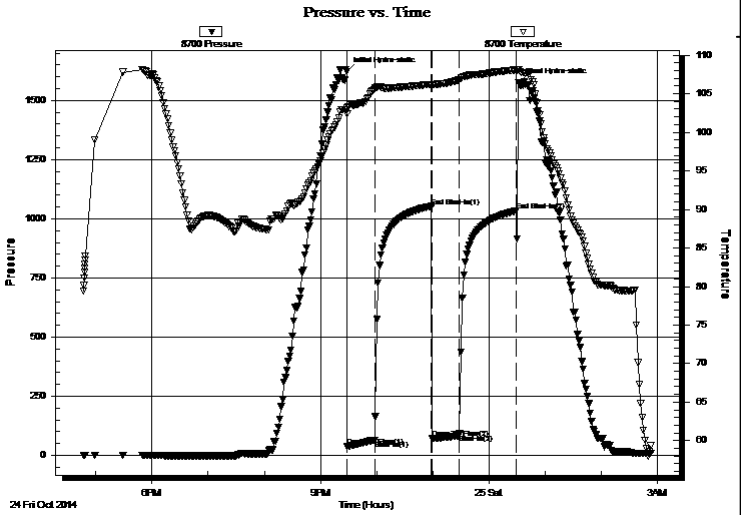
Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: 91.19 psig @ 3346.00 ft (KB)
Start Date: 2014.10.24 End Date: 2014.10.25
Start Time: 16:47:05 End Time: 02:52:30

Capacity: 8000.00 psig
Last Calib.: 2014.10.25
Time On Btm: 2014.10.24 @ 21:28:00
Time Off Btm: 2014.10.25 @ 00:31:30

TEST COMMENT: 30-IF-Built to 3 1/4"
60-ISI-No Return
30-FF-Built to 1 1/4"
60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1623.18	103.12	Initial Hydro-static
1	38.73	102.42	Open To Flow (1)
30	64.98	105.64	Shut-In(1)
90	1052.57	106.18	End Shut-In(1)
91	72.42	105.97	Open To Flow (2)
121	91.19	106.86	Shut-In(2)
181	1032.70	108.08	End Shut-In(2)
184	1574.28	108.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
141.00	M, w ith oil spots 100% m	0.88

Gas Rates

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

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60716 **DST#: 1**

Test Start: 2014.10.24 @ 16:47:00

GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
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Test Type: Conventional Bottom Hole (Initial)
Tester: Phillip Gage
Unit No: 70

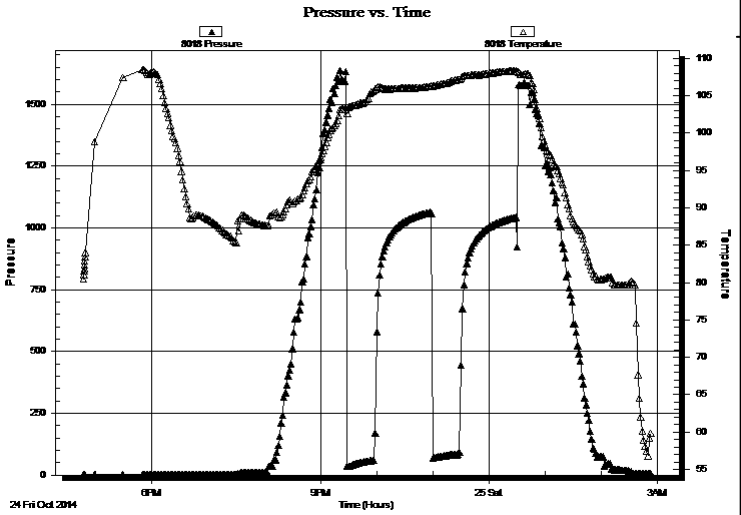
Interval: 3345.00 ft (KB) To 3430.00 ft (KB) (TVD)
Total Depth: 3430.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: psig @ 3346.00 ft (KB)
Start Date: 2014.10.24 End Date: 2014.10.25
Start Time: 16:47:05 End Time: 02:52:30

Capacity: 8000.00 psig
Last Calib.: 2014.10.25
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Built to 3 1/4"
60-ISI-No Return
30-FF-Built to 1 1/4"
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
141.00	M, w ith oil spots 100% m	0.88

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60716 **DST#: 1**

Test Start: 2014.10.24 @ 16:47:00

Tool Information

Drill Pipe:	Length:	3212.00 ft	Diameter:	3.80	inches	Volume:	45.06	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	120.00 ft	Diameter:	2.25	inches	Volume:	0.59	bbl	
						Total Volume:	45.65	bbl	

Drill Pipe Above KB:	15.00 ft
Depth to Top Packer:	3345.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	85.00 ft
Tool Length:	113.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2500.00 lb
Weight set on Packer:		25000.00 lb
Weight to Pull Loose:		60000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	46000.00 lb
	Final	49000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3318.00		
Shut In Tool	5.00			3323.00		
Hydraulic tool	5.00			3328.00		
Jars	5.00			3333.00		
Safety Joint	2.00			3335.00		
Packer	5.00			3340.00	28.00	Bottom Of Top Packer
Packer	5.00			3345.00		
Stubb	1.00			3346.00		
Recorder	0.00	8018	Inside	3346.00		
Recorder	0.00	8700	Outside	3346.00		
Perforations	16.00			3362.00		
Change Over Sub	1.00			3363.00		
Drill Pipe	63.00			3426.00		
Change Over Sub	1.00			3427.00		
Bullnose	3.00			3430.00	85.00	Bottom Packers & Anchor
Total Tool Length:	**113.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60716 **DST#: 1**

Test Start: 2014.10.24 @ 16:47:00

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:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.67 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
141.00	M, w ith oil spots 100% m	0.885

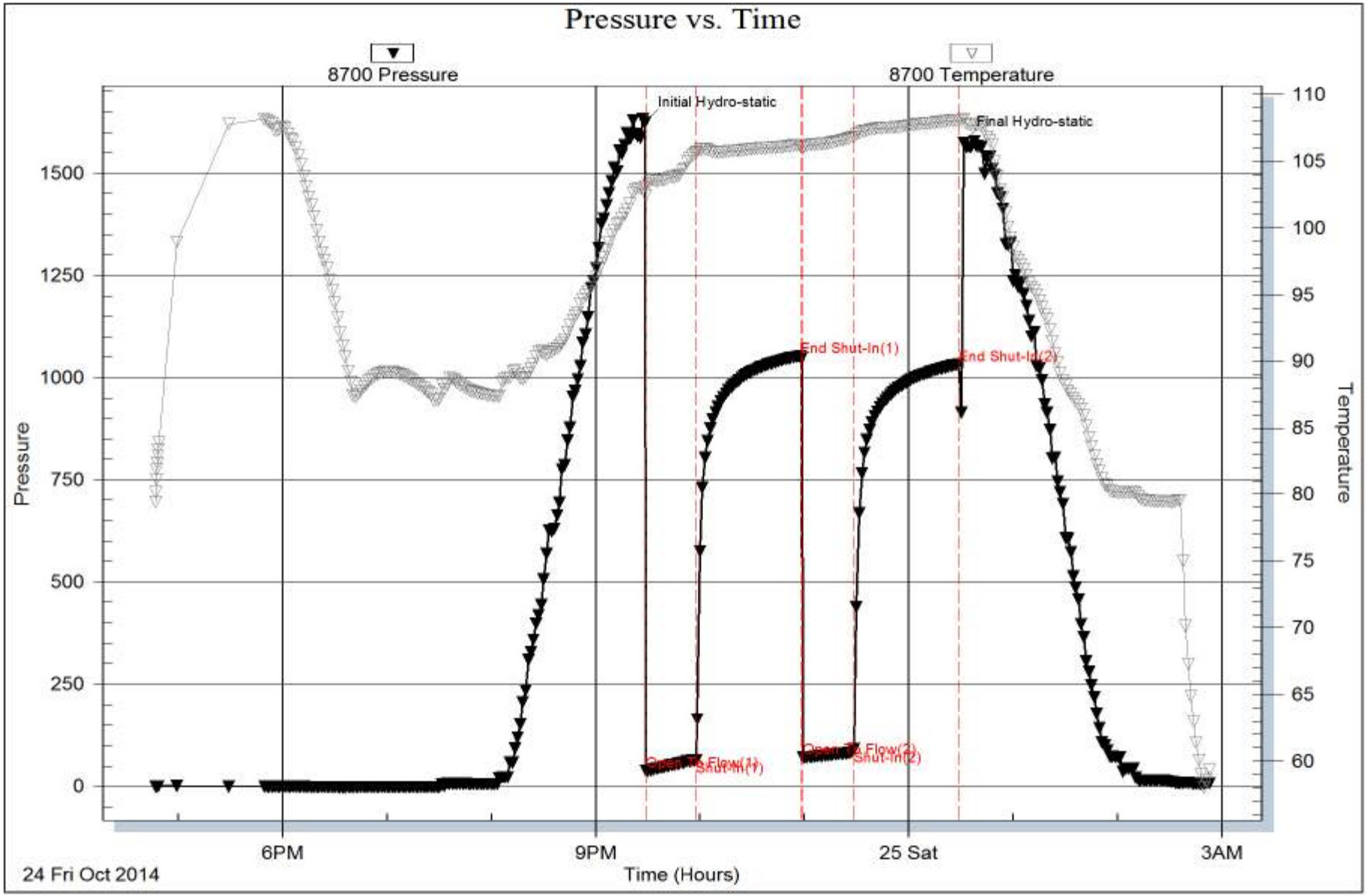
Total Length: 141.00 ft Total Volume: 0.885 bbl

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

Laboratory Name: Laboratory Location:

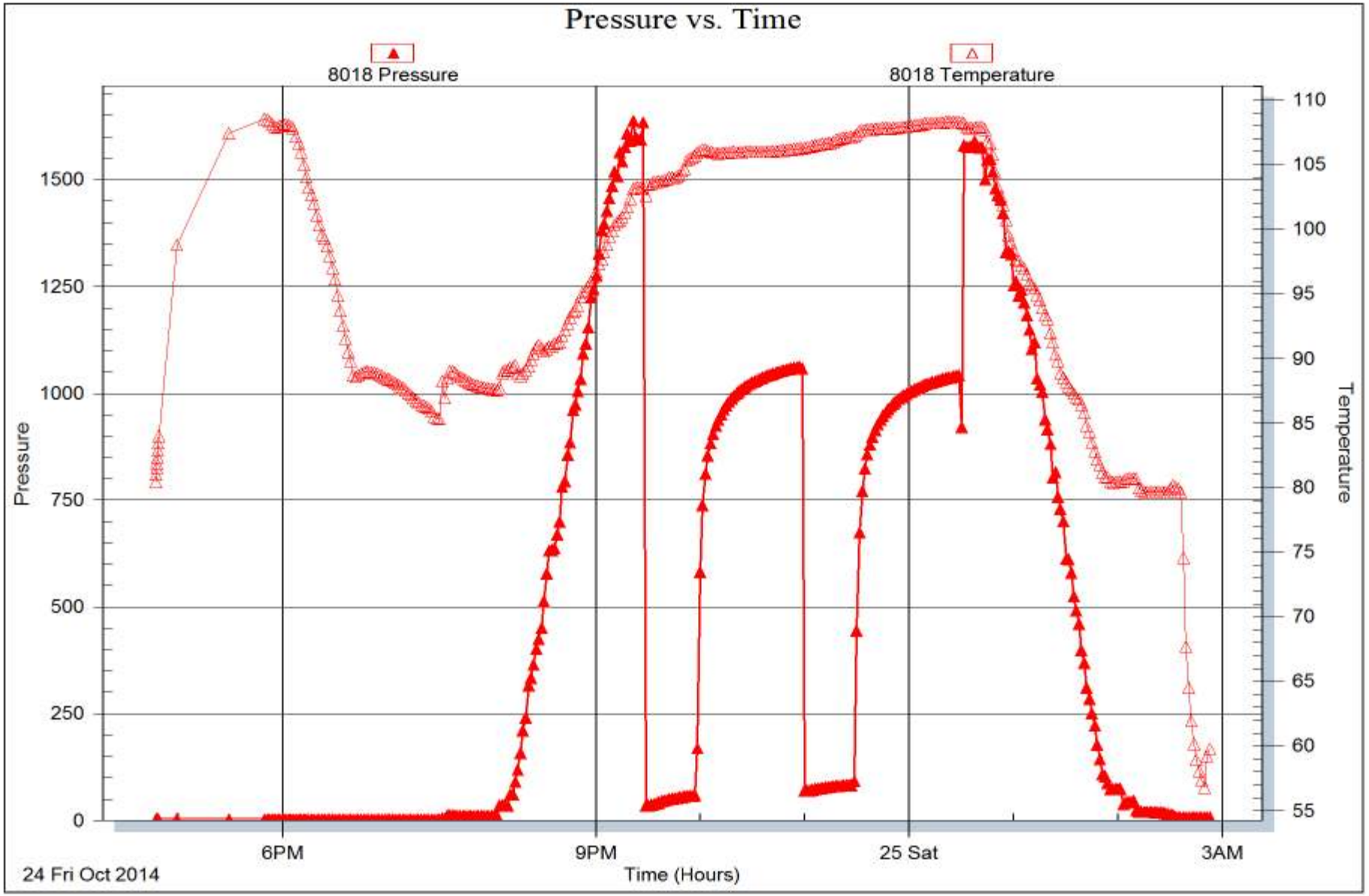
Recovery Comments:

Serial #: 8700 **Outside** Gore Oil Company Kingsley #5 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 60716 Printed: 2014.10.31 @ 08:31:38

Serial #: 8018 **Inside** Gore Oil Company Kingsley #5 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 60716 Printed: 2014.10.31 @ 08:31:38

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

Kingsley #5

17-14s-20w Ellis,KS

Start Date: 2014.10.25 @ 13:42:00

End Date: 2014.10.25 @ 23:31:00

Job Ticket #: 60717 DST #: 2

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.31 @ 08:31:15

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60717 **DST#: 2**

Test Start: 2014.10.25 @ 13:42:00

GENERAL INFORMATION:

Formation: **LKC "A - C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:59:30
Time Test Ended: 23:31:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

Interval: 3447.00 ft (KB) To 3502.00 ft (KB) (TVD)
Total Depth: 3502.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

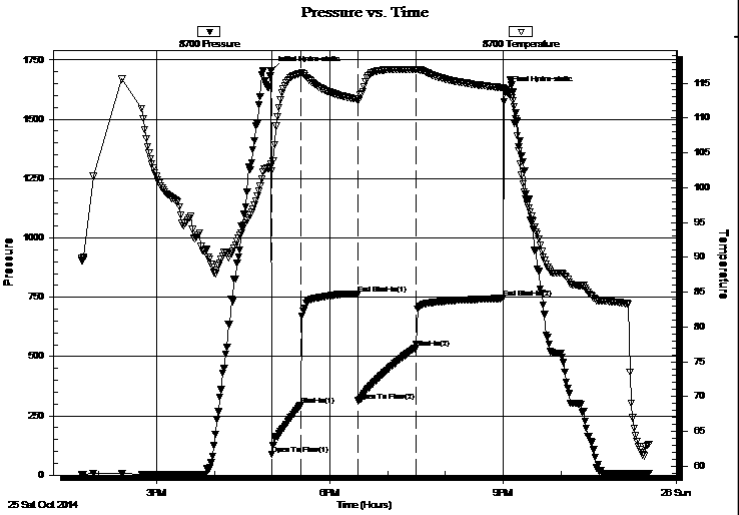
Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: 536.70 psig @ 3448.00 ft (KB)
Start Date: 2014.10.25 End Date: 2014.10.25
Start Time: 13:42:05 End Time: 23:31:00

Capacity: 8000.00 psig
Last Calib.: 2014.10.25
Time On Btm: 2014.10.25 @ 16:59:00
Time Off Btm: 2014.10.25 @ 21:01:30

TEST COMMENT: 30-IF-BOB in 5 mins.
60-ISI-No Return
60-FF-BOB in 7 mins.
90-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1706.78	103.38	Initial Hydro-static
1	86.88	102.44	Open To Flow (1)
31	296.04	116.41	Shut-In(1)
90	764.88	112.68	End Shut-In(1)
91	313.53	112.51	Open To Flow (2)
150	536.70	116.95	Shut-In(2)
241	745.58	114.33	End Shut-In(2)
243	1623.11	114.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
819.00	SMCW, with oil spots, 10%m, 90%w	10.40
315.00	MCW, with oil spots, 30%m, 70%w	4.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60717 **DST#: 2**

Test Start: 2014.10.25 @ 13:42:00

GENERAL INFORMATION:

Formation: **LKC "A - C"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:59:30
Time Test Ended: 23:31:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

Interval: 3447.00 ft (KB) To 3502.00 ft (KB) (TVD)
Total Depth: 3502.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

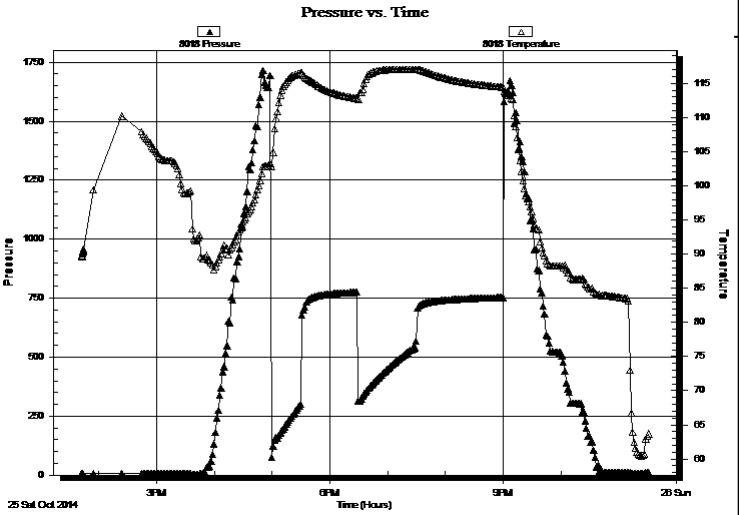
Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: psig @ 3448.00 ft (KB)
Start Date: 2014.10.25 End Date: 2014.10.25
Start Time: 13:42:05 End Time: 23:31:00

Capacity: 8000.00 psig
Last Calib.: 2014.10.25
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-BOB in 5 mins.
60-ISI-No Return
60-FF-BOB in 7 mins.
90-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
819.00	SMCW, with oil spots, 10%m, 90%w	10.40
315.00	MCW, with oil spots, 30%m, 70%w	4.42

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60717 **DST#: 2**

Test Start: 2014.10.25 @ 13:42:00

Tool Information

Drill Pipe:	Length:	3305.00 ft	Diameter:	3.80 inches	Volume:	46.36 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 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
					Total Volume:	46.95 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		6.00 ft					String Weight:	Initial	45000.00 lb
Depth to Top Packer:		3447.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		55.00 ft							
Tool Length:		83.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3420.00		
Shut In Tool	5.00			3425.00		
Hydraulic tool	5.00			3430.00		
Jars	5.00			3435.00		
Safety Joint	2.00			3437.00		
Packer	5.00			3442.00	28.00	Bottom Of Top Packer
Packer	5.00			3447.00		
Stubb	1.00			3448.00		
Recorder	0.00	8018	Inside	3448.00		
Recorder	0.00	8700	Outside	3448.00		
Perforations	18.00			3466.00		
Change Over Sub	1.00			3467.00		
Drill Pipe	31.00			3498.00		
Change Over Sub	1.00			3499.00		
Bullnose	3.00			3502.00	55.00	Bottom Packers & Anchor
Total Tool Length:	**83.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60717 **DST#: 2**

Test Start: 2014.10.25 @ 13:42:00

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:	57000 ppm
Viscosity:	50.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.18 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
819.00	SMCW, with oil spots, 10%m, 90%w	10.395
315.00	MCW, with oil spots, 30%m, 70%w	4.419

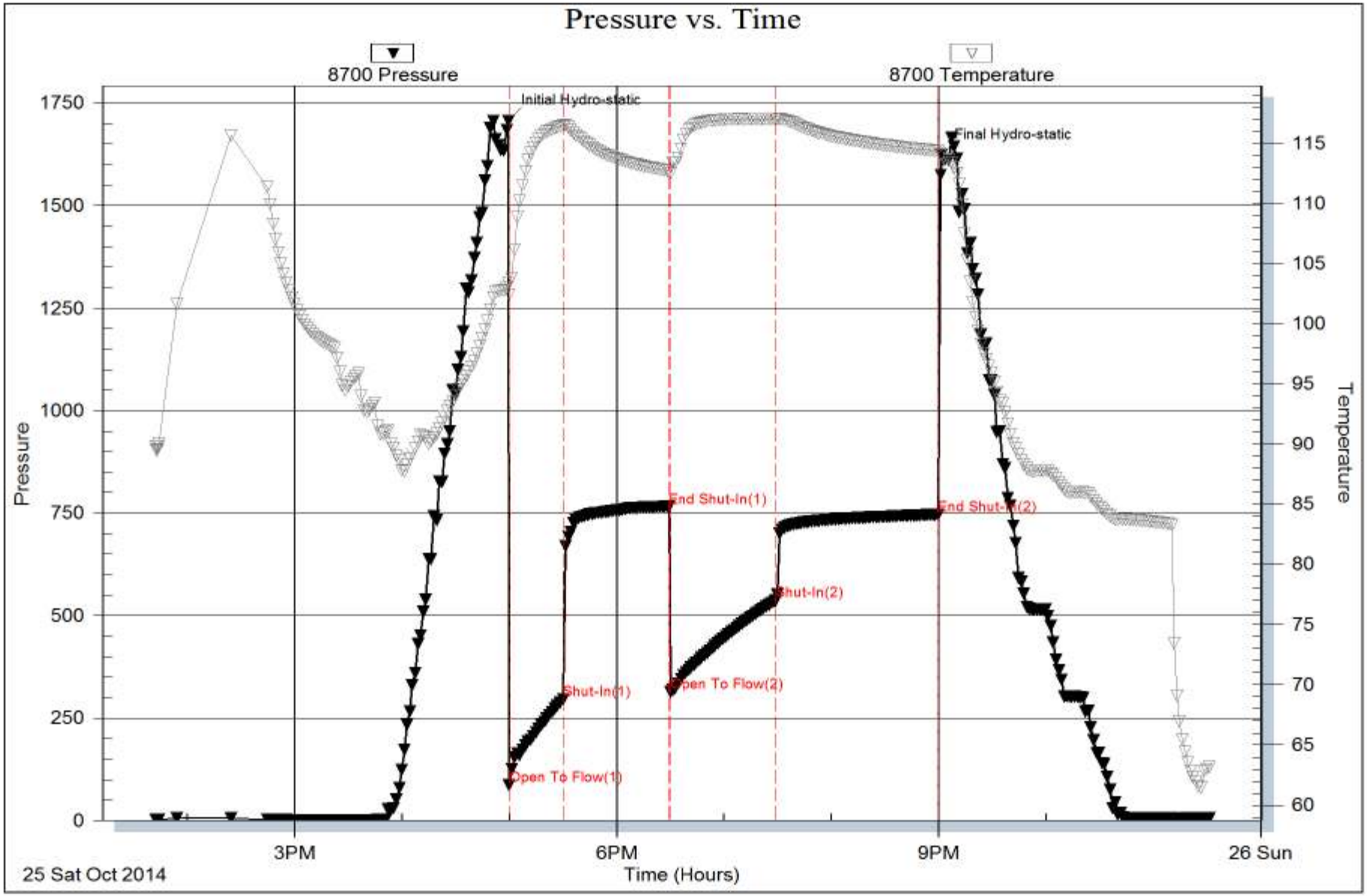
Total Length: 1134.00 ft Total Volume: 14.814 bbl

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

Laboratory Name: Laboratory Location:

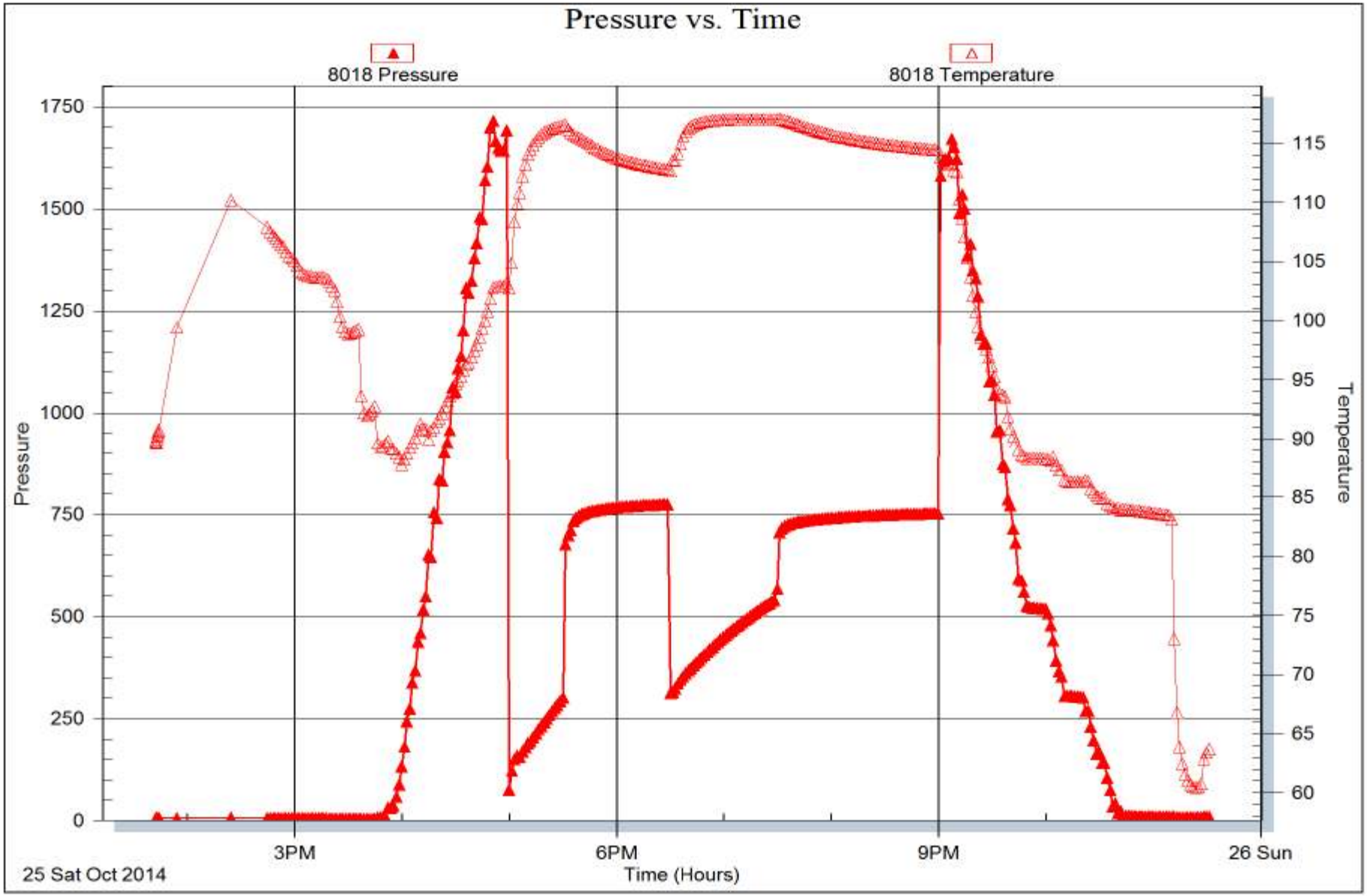
Recovery Comments: .17 @ 61 degrees = 57,000 Salinity

Serial #: 8700 **Outside** Gore Oil Company Kingsley #5 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 60717 Printed: 2014.10.31 @ 08:31:16

Serial #: 8018 **Inside** Gore Oil Company Kingsley #5 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 60717 Printed: 2014.10.31 @ 08:31:16

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

Kingsley #5

17-14s-20w Ellis,KS

Start Date: 2014.10.26 @ 16:08:00

End Date: 2014.10.27 @ 02:19:00

Job Ticket #: 60718 DST #: 3

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.31 @ 08:30:52

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60718 **DST#: 3**

Test Start: 2014.10.26 @ 16:08:00

GENERAL INFORMATION:

Formation: **LKC "H - J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:35:30
Time Test Ended: 02:19:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

Interval: 3575.00 ft (KB) To 3658.00 ft (KB) (TVD)
Total Depth: 3658.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

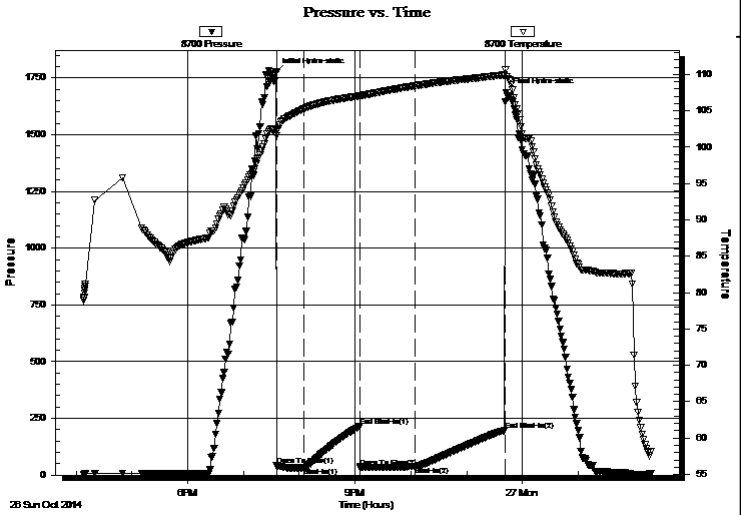
Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: 37.97 psig @ 3576.00 ft (KB)
Start Date: 2014.10.26 End Date: 2014.10.27
Start Time: 16:08:05 End Time: 02:19:00

Capacity: 8000.00 psig
Last Calib.: 2014.10.27
Time On Btm: 2014.10.26 @ 19:35:00
Time Off Btm: 2014.10.26 @ 23:42:30

TEST COMMENT: 30-IF-Built to 6"
60-ISI-No Return.
60-FF-Built to 8"
90-FSI-No Return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1773.01	102.56	Initial Hydro-static
1	42.31	101.64	Open To Flow (1)
30	32.31	105.28	Shut-In(1)
90	214.94	107.07	End Shut-In(1)
91	34.98	107.03	Open To Flow (2)
150	37.97	108.45	Shut-In(2)
246	196.77	109.94	End Shut-In(2)
248	1685.53	110.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M, w ith oil spots, 100%m	0.10
0.00	GIP-229'	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60718 **DST#: 3**

Test Start: 2014.10.26 @ 16:08:00

GENERAL INFORMATION:

Formation: **LKC "H - J"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:35:30
Time Test Ended: 02:19:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

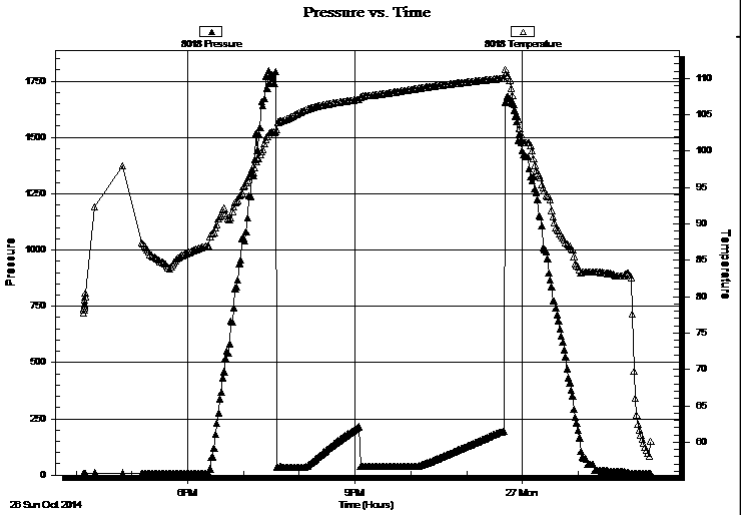
Interval: 3575.00 ft (KB) To 3658.00 ft (KB) (TVD)
Total Depth: 3658.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: psig @ 3576.00 ft (KB)
Start Date: 2014.10.26 End Date: 2014.10.27
Start Time: 16:08:05 End Time: 02:19:00

Capacity: 8000.00 psig
Last Calib.: 2014.10.27
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Built to 6"
60-ISI-No Return.
60-FF-Built to 8"
90-FSI-No Return.



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
20.00	M, w ith oil spots, 100%m	0.10
0.00	GIP-229'	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60718 **DST#: 3**

Test Start: 2014.10.26 @ 16:08:00

Tool Information

Drill Pipe:	Length:	3460.00 ft	Diameter:	3.80 inches	Volume:	48.53 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 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
					Total Volume:	49.12 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		33.00 ft					String Weight:	Initial	48000.00 lb
Depth to Top Packer:		3575.00 ft						Final	50000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		83.00 ft							
Tool Length:		111.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3548.00		
Shut In Tool	5.00			3553.00		
Hydraulic tool	5.00			3558.00		
Jars	5.00			3563.00		
Safety Joint	2.00			3565.00		
Packer	5.00			3570.00	28.00	Bottom Of Top Packer
Packer	5.00			3575.00		
Stubb	1.00			3576.00		
Recorder	0.00	8018	Inside	3576.00		
Recorder	0.00	8700	Outside	3576.00		
Perforations	14.00			3590.00		
Change Over Sub	1.00			3591.00		
Drill Pipe	63.00			3654.00		
Change Over Sub	1.00			3655.00		
Bullnose	3.00			3658.00	83.00	Bottom Packers & Anchor
Total Tool Length:	**111.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60718 **DST#: 3**

Test Start: 2014.10.26 @ 16:08:00

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:	44.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3200.00 ppm				
Filter Cake:	1.50 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	M, w ith oil spots, 100%m	0.098
0.00	GIP-229'	0.000

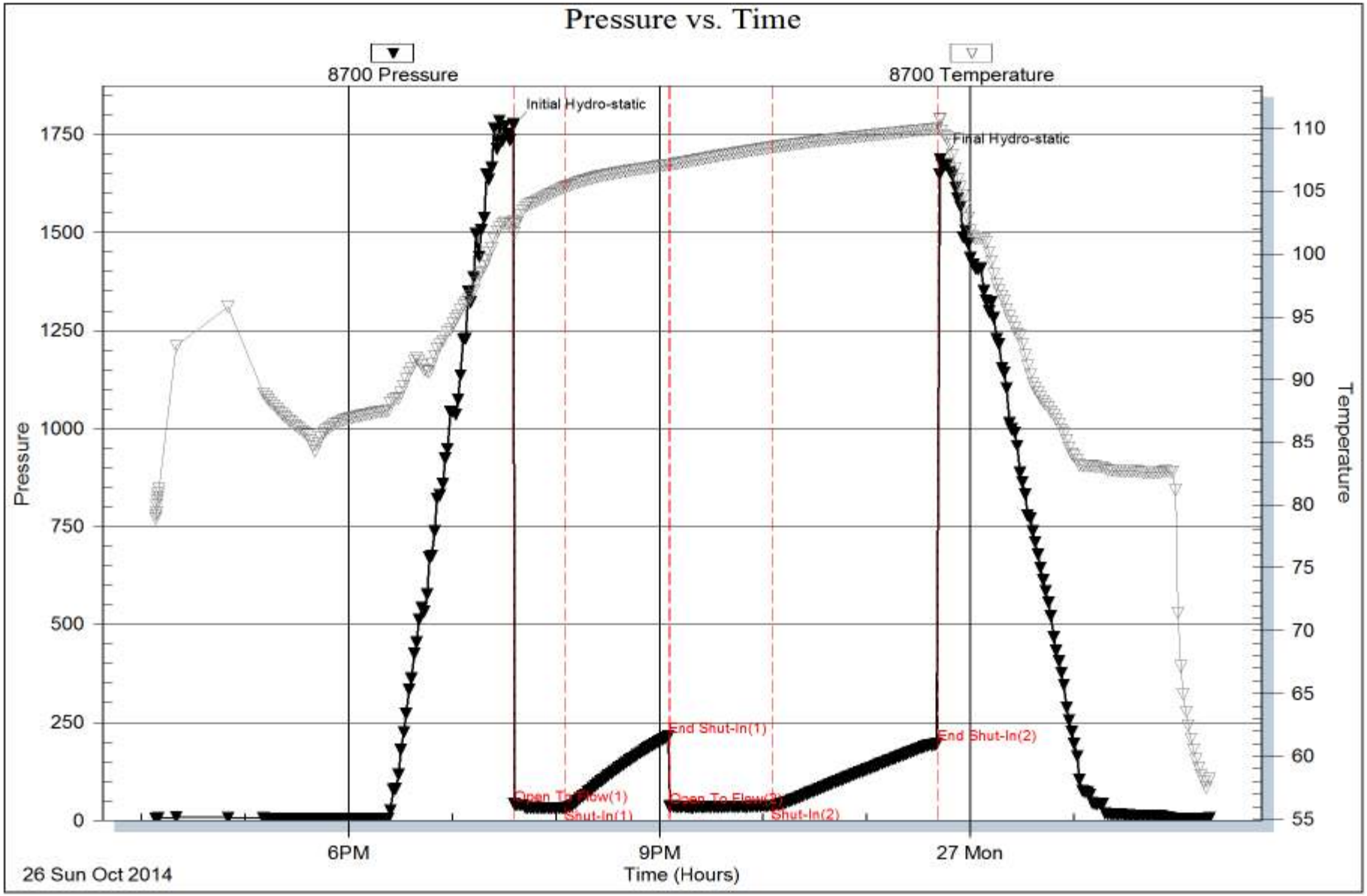
Total Length: 20.00 ft Total Volume: 0.098 bbl

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

Laboratory Name: Laboratory Location:

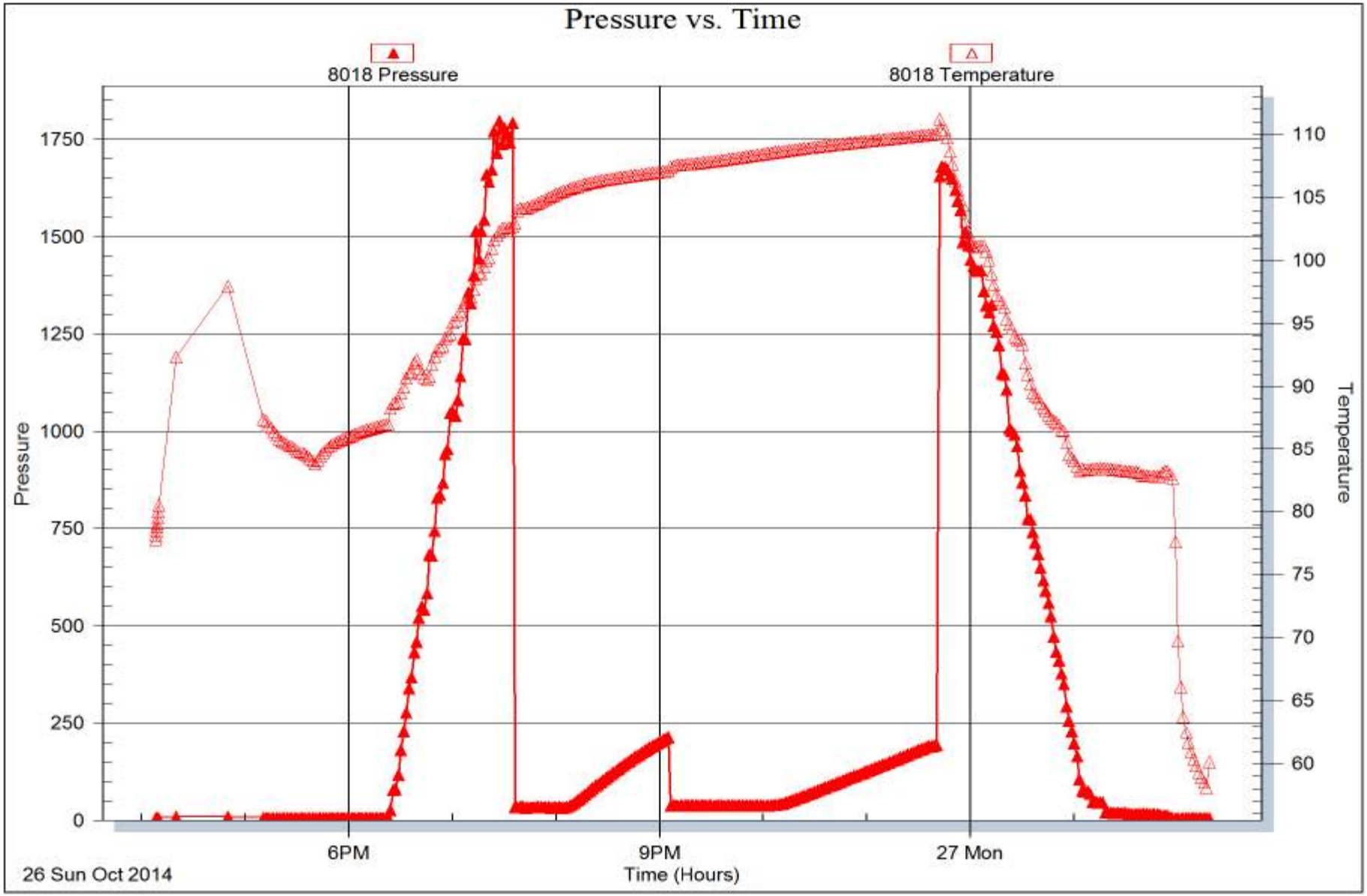
Recovery Comments:

Serial #: 8700 **Outside** Gore Oil Company Kingsley #5 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 60718 Printed: 2014.10.31 @ 08:30:53

Serial #: 8018 **Inside** Gore Oil Company Kingsley #5 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 60718 Printed: 2014.10.31 @ 08:30:53

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

Kingsley #5

17-14s-20w Ellis,KS

Start Date: 2014.10.27 @ 22:26:00

End Date: 2014.10.28 @ 07:20:30

Job Ticket #: 60719 DST #: 4

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

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

Printed: 2014.10.31 @ 08:30:32

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60719 **DST#: 4**

Test Start: 2014.10.27 @ 22:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:34:30
Time Test Ended: 07:20:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

Interval: 3807.00 ft (KB) To 3838.00 ft (KB) (TVD)
Total Depth: 3838.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

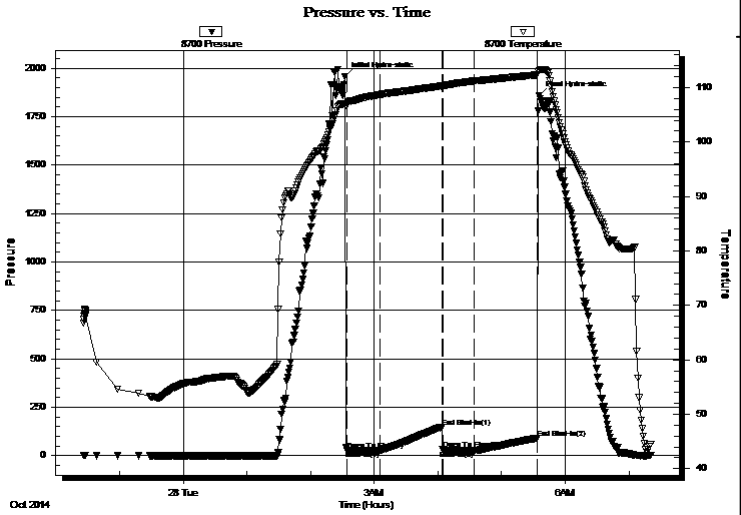
Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**

Press@RunDepth: 25.78 psig @ 3808.00 ft (KB)
Start Date: 2014.10.27 End Date: 2014.10.28
Start Time: 22:26:05 End Time: 07:20:30

Capacity: 8000.00 psig
Last Calib.: 2014.10.28
Time On Btm: 2014.10.28 @ 02:32:30
Time Off Btm: 2014.10.28 @ 05:35:30

TEST COMMENT: 30-IF-Built to 1"
60-ISI-No Return
30-FF-No Blow
60-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1958.06	107.03	Initial Hydro-static
2	28.45	107.00	Open To Flow (1)
33	26.41	108.72	Shut-In(1)
91	148.12	110.30	End Shut-In(1)
92	30.44	110.30	Open To Flow (2)
122	25.78	111.22	Shut-In(2)
182	89.23	112.37	End Shut-In(2)
183	1860.82	113.13	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM, 10%o, 90%m	0.05
10.00	O, 100%o	0.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60719 **DST#: 4**

Test Start: 2014.10.27 @ 22:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:34:30
Time Test Ended: 07:20:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

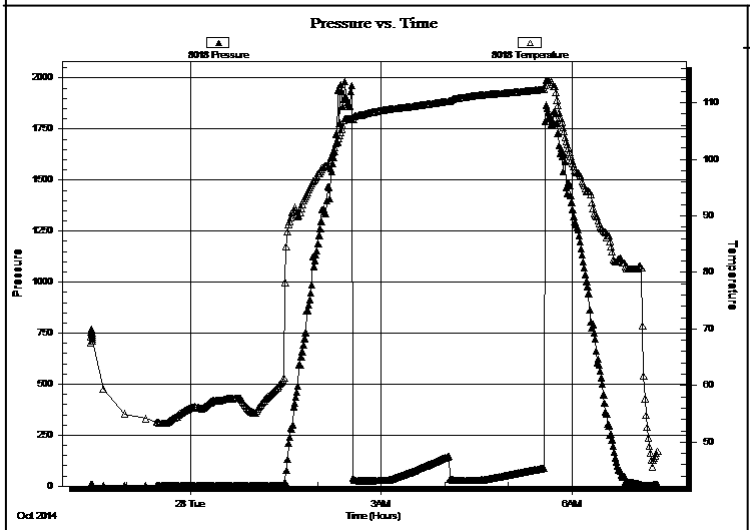
Interval: 3807.00 ft (KB) To 3838.00 ft (KB) (TVD)
Total Depth: 3838.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: psig @ 3808.00 ft (KB)
Start Date: 2014.10.27 End Date: 2014.10.28
Start Time: 22:26:05 End Time: 07:20:30

Capacity: 8000.00 psig
Last Calib.: 2014.10.28
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-Built to 1"
60-ISI-No Return
30-FF-No Blow
60-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
10.00	SOCM, 10%o, 90%m	0.05
10.00	O, 100%o	0.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60719 **DST#: 4**

Test Start: 2014.10.27 @ 22:26:00

Tool Information

Drill Pipe:	Length:	3679.00 ft	Diameter:	3.80 inches	Volume:	51.61 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 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:		58000.00 lb
					Total Volume:	52.20 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		20.00 ft					String Weight:	Initial	52000.00 lb
Depth to Top Packer:		3807.00 ft						Final	52000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		31.00 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	
Change Over Sub	1.00			3780.00		
Shut In Tool	5.00			3785.00		
Hydraulic tool	5.00			3790.00		
Jars	5.00			3795.00		
Safety Joint	2.00			3797.00		
Packer	5.00			3802.00	28.00	Bottom Of Top Packer
Packer	5.00			3807.00		
Stubb	1.00			3808.00		
Recorder	0.00	8018	Inside	3808.00		
Recorder	0.00	8700	Outside	3808.00		
Perforations	27.00			3835.00		
Bullnose	3.00			3838.00	31.00	Bottom Packers & Anchor
Total Tool Length:	**59.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60719 **DST#: 4**

Test Start: 2014.10.27 @ 22:26:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	54.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3500.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

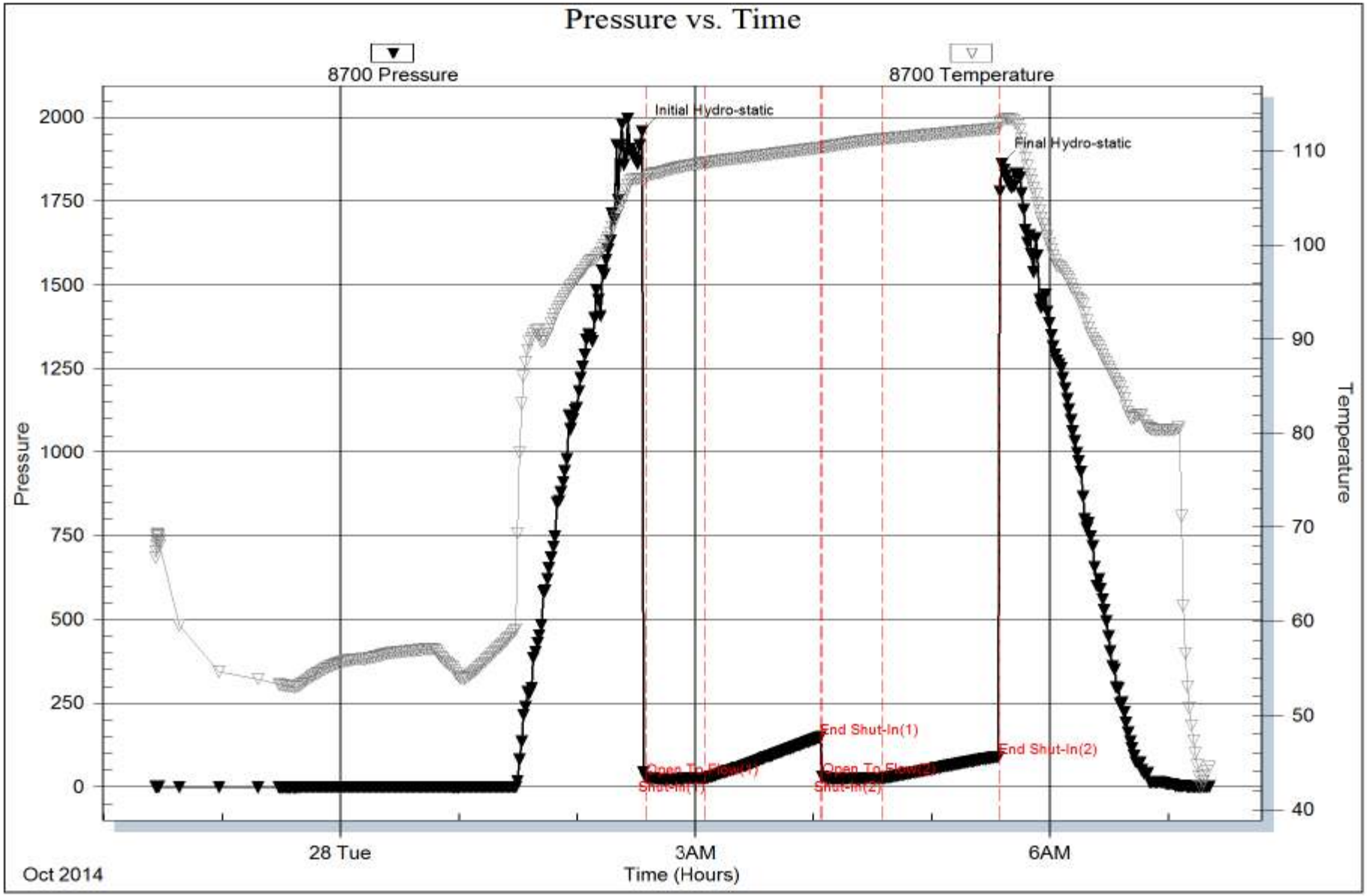
Recovery Table

Length ft	Description	Volume bbl
10.00	SOCM, 10%o, 90%m	0.049
10.00	O, 100%o	0.049

Total Length: 20.00 ft Total Volume: 0.098 bbl

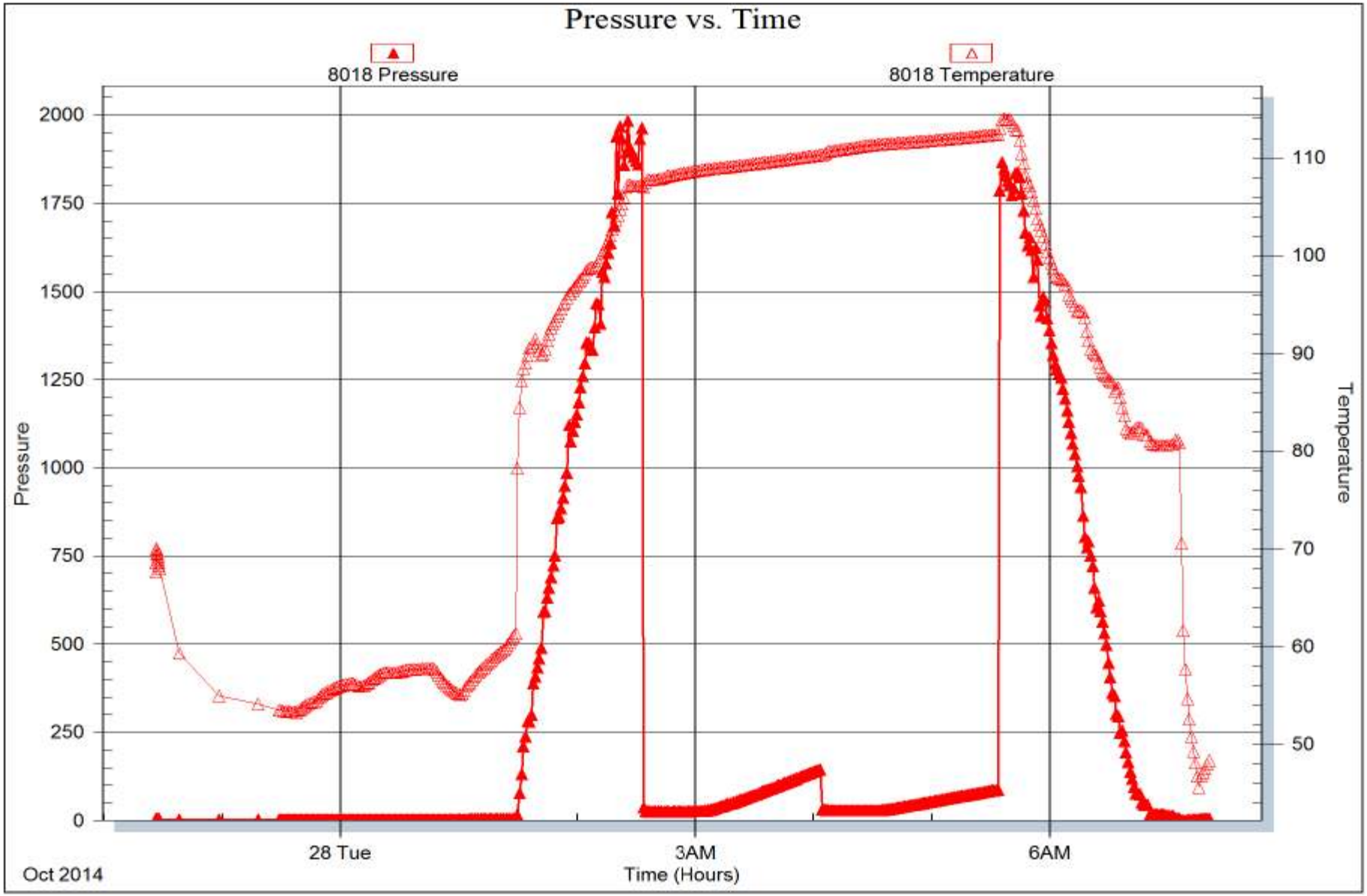
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8700 **Outside** Gore Oil Company Kingsley #5 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 60719 Printed: 2014.10.31 @ 08:30:33

Serial #: 8018 **Inside** Gore Oil Company Kingsley #5 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 60719 Printed: 2014.10.31 @ 08:30:33

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Gore Oil Company**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

Kingsley #5

17-14s-20w Ellis,KS

Start Date: 2014.10.28 @ 14:10:00
End Date: 2014.10.28 @ 21:53:00
Job Ticket #: 60720 DST #: 5

Trilobite Testing, Inc
1515 Commerce Parkway Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.10.31 @ 08:30:04

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60720 **DST#: 5**

Test Start: 2014.10.28 @ 14:10:00

GENERAL INFORMATION:

Formation: **Reagan Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:53:30
Time Test Ended: 21:53:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

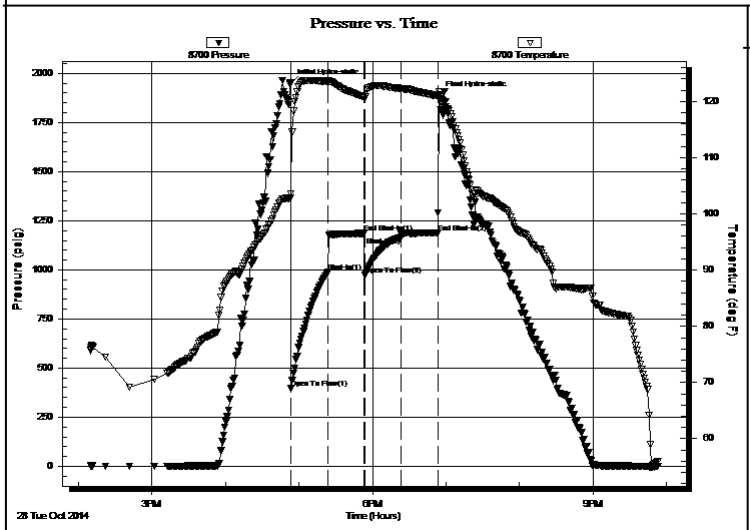
Interval: 3804.00 ft (KB) To 3846.00 ft (KB) (TVD)
Total Depth: 3846.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 **Outside**
Press@RunDepth: 1165.42 psig @ 3805.00 ft (KB)
Start Date: 2014.10.28 End Date: 2014.10.28
Start Time: 14:10:05 End Time: 21:52:59

Capacity: 8000.00 psig
Last Calib.: 2014.10.28
Time On Btm: 2014.10.28 @ 16:53:00
Time Off Btm: 2014.10.28 @ 18:54:00

TEST COMMENT: 30-IF-BOB in 1 min.
30-ISI-No Return
30-FF-BOB in 1 min.
30-FSI-No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1950.00	102.87	Initial Hydro-static
1	395.69	103.62	Open To Flow (1)
31	987.22	123.51	Shut-In(1)
60	1186.19	120.87	End Shut-In(1)
61	971.92	120.73	Open To Flow (2)
90	1165.42	122.26	Shut-In(2)
120	1187.68	120.96	End Shut-In(2)
121	1885.93	121.09	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1638.00	SMCW, 10%m, 90%w	21.88
315.00	MCW, 20%m, 80%w	4.42
645.00	MCW, 50%m, 50%w	9.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60720 **DST#: 5**

Test Start: 2014.10.28 @ 14:10:00

GENERAL INFORMATION:

Formation: **Reagan Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 16:53:30
Time Test Ended: 21:53:00

Test Type: Conventional Bottom Hole (Reset)
Tester: Phillip Gage
Unit No: 70

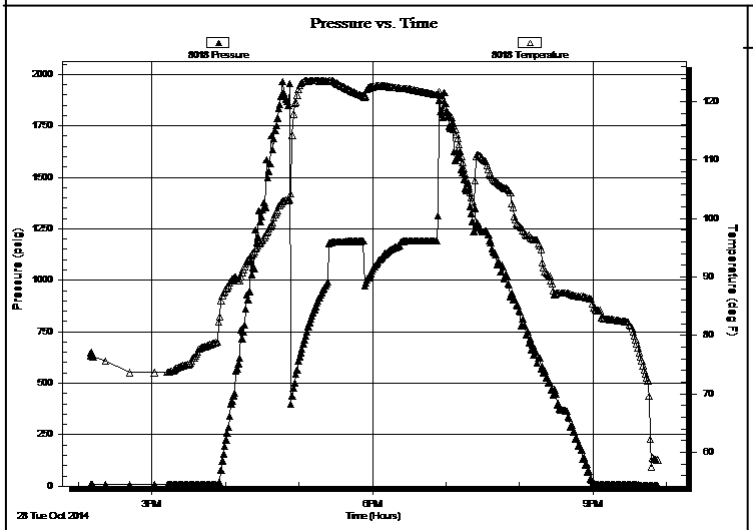
Interval: 3804.00 ft (KB) To 3846.00 ft (KB) (TVD)
Total Depth: 3846.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2170.00 ft (KB)
2162.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: psig @ 3805.00 ft (KB)
Start Date: 2014.10.28 End Date: 2014.10.28
Start Time: 14:10:05 End Time: 21:52:59

Capacity: 8000.00 psig
Last Calib.: 2014.10.28
Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IF-BOB in 1 min.
30-ISI-No Return
30-FF-BOB in 1 min.
30-FSI-No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
1638.00	SMCW, 10%m, 90%w	21.88
315.00	MCW, 20%m, 80%w	4.42
645.00	MCW, 50%m, 50%w	9.05

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60720 **DST#: 5**

Test Start: 2014.10.28 @ 14:10:00

Tool Information

Drill Pipe:	Length:	3680.00 ft	Diameter:	3.80 inches	Volume:	51.62 bbl	Tool Weight:		2500.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.75 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
					Total Volume:	52.21 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		24.00 ft					String Weight:	Initial	50000.00 lb
Depth to Top Packer:		3804.00 ft						Final	61000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		42.00 ft							
Tool Length:		70.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3777.00		
Shut In Tool	5.00			3782.00		
Hydraulic tool	5.00			3787.00		
Jars	5.00			3792.00		
Safety Joint	2.00			3794.00		
Packer	5.00			3799.00	28.00	Bottom Of Top Packer
Packer	5.00			3804.00		
Stubb	1.00			3805.00		
Recorder	0.00	8018	Inside	3805.00		
Recorder	0.00	8700	Outside	3805.00		
Perforations	5.00			3810.00		
Change Over Sub	1.00			3811.00		
Drill Pipe	31.00			3842.00		
Change Over Sub	1.00			3843.00		
Bullnose	3.00			3846.00	42.00	Bottom Packers & Anchor
Total Tool Length:	**70.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmultz

17-14s-20w Ellis,KS

Kingsley #5

Job Ticket: 60720 **DST#: 5**

Test Start: 2014.10.28 @ 14:10:00

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:	71000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	1.50 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1638.00	SMCW, 10%m, 90%w	21.884
315.00	MCW, 20%m, 80%w	4.419
645.00	MCW, 50%m, 50%w	9.048

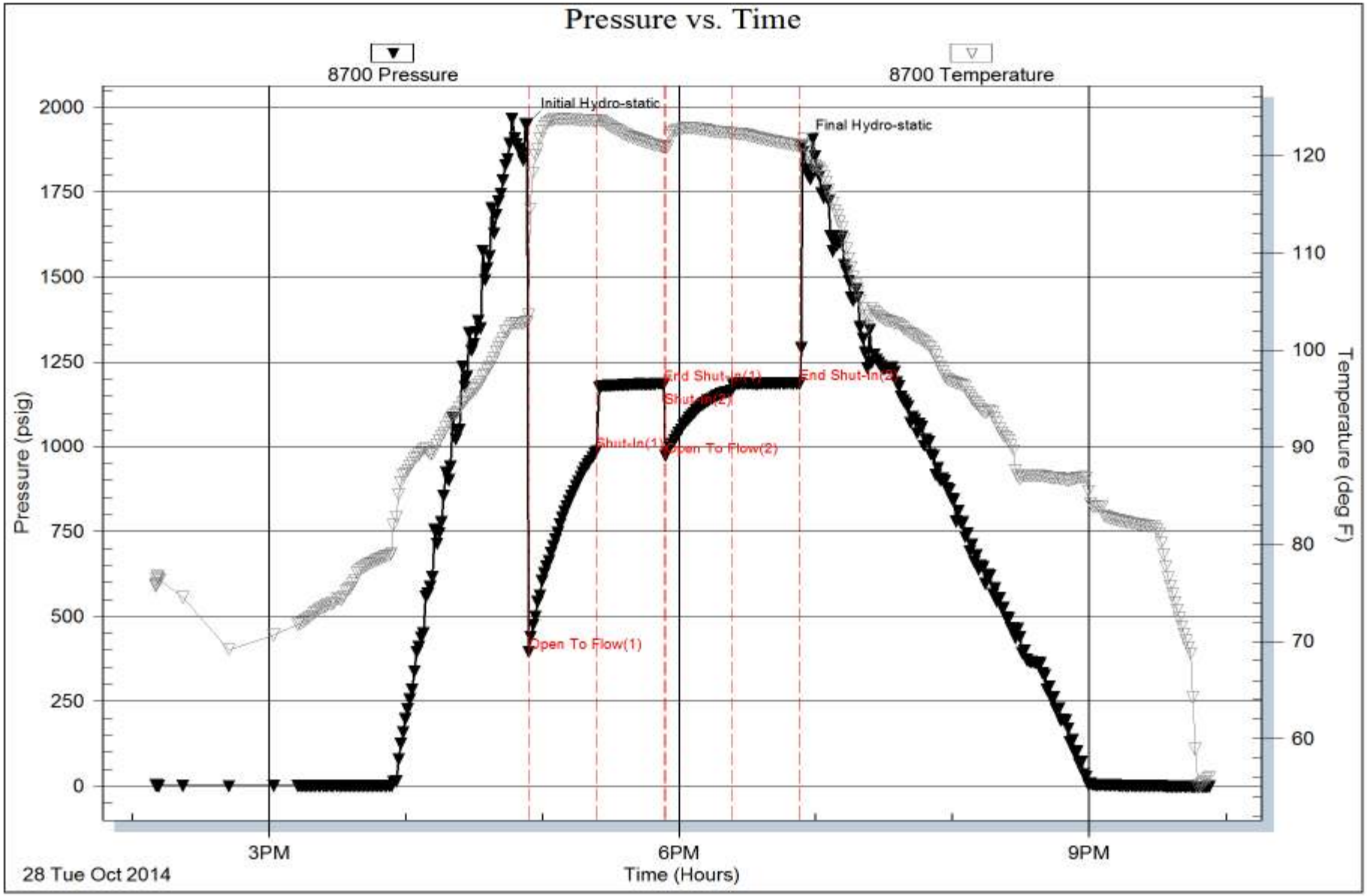
Total Length: 2598.00 ft Total Volume: 35.351 bbl

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

Laboratory Name: Laboratory Location:

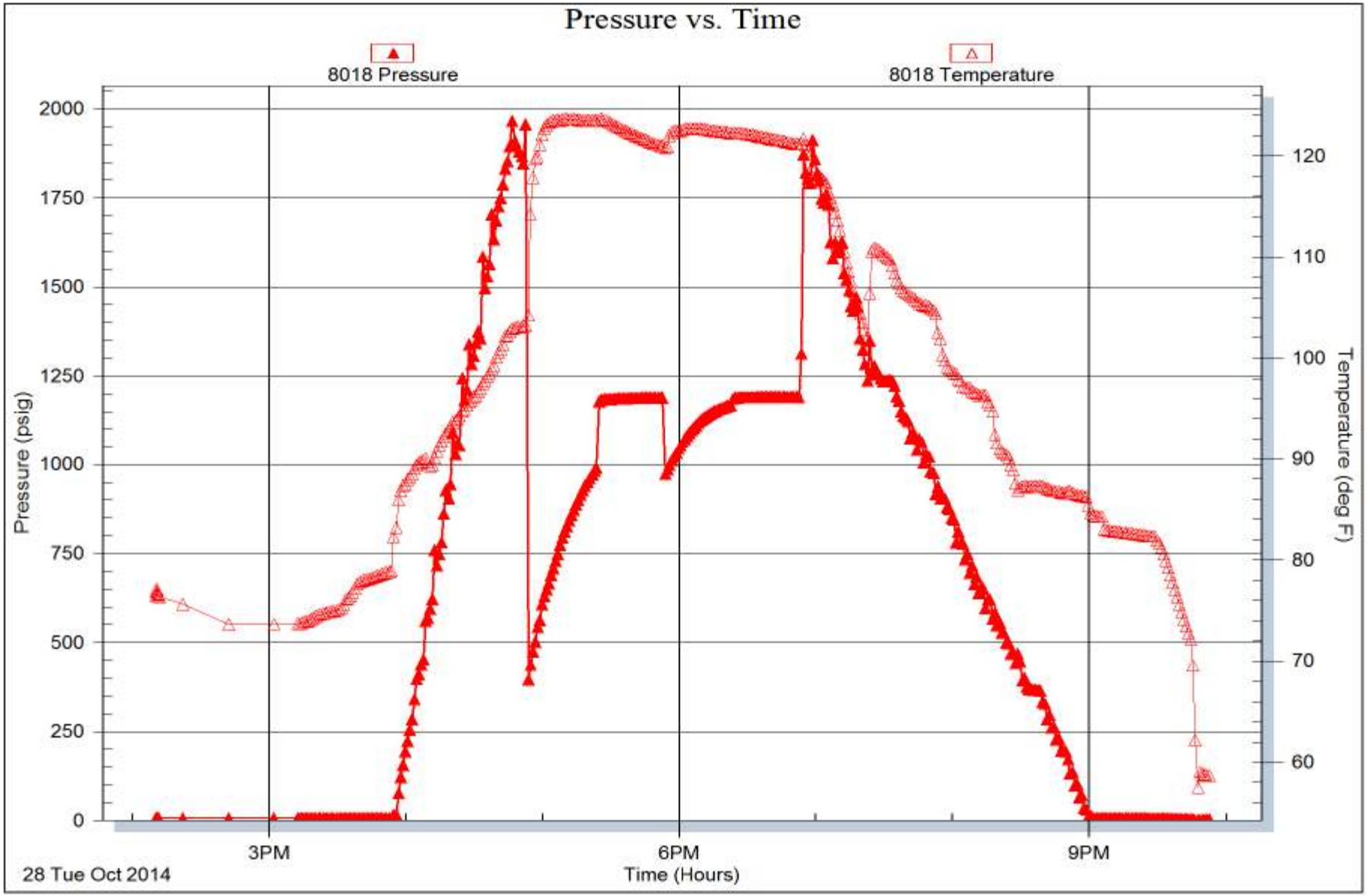
Recovery Comments: .28 @ 41 degrees = 71,000 Salinity

Serial #: 8700 **Outside** Gore Oil Company Kingsley #5 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 60720 Printed: 2014.10.31 @ 08:30:05

Serial #: 8018 **Inside** Gore Oil Company Kingsley #5 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 60720 Printed: 2014.10.31 @ 08:30:05

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 60716

Well Name & No. Kingsley #5 Test No. 1 Date 10-24-14

Company Gore Oil Company Elevation 2170 KB 2162 GL

Address 202 S St Francis P.O. Box 2757 Wichita, KS 67202

Co. Rep / Geo. Chuck Schmultz Rig Maverick 102

Location: Sec. 17 Twp. 14s Rge. 20w Co. Ellis State KS

Interval Tested 3345-3430 Zone Tested Arbuckle

Anchor Length 85' Drill Pipe Run 3212 Mud Wt. 8.7

Top Packer Depth 3340 Drill Collars Run 120 Vis 50

Bottom Packer Depth 3345 Wt. Pipe Run 0 WL 9.7

Total Depth 3430 Chlorides 2,500 ppm System LCM 2#

Blow Description IF- Built to 3¼"
ISI- No Return
FF- Built to 1¼"
FSI- No Return

Rec 141'	Feet of M, with oil spots	%gas	%oil	%water	100 %mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 141' BHT 108 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic 1,623	☑ Test 1150	T-On Location 16:40
(B) First Initial Flow 38	☑ Jars 250	T-Started 16:47
(C) First Final Flow 64	☑ Safety Joint 75	T-Open 21:28
(D) Initial Shut-In 1,052	☐ Circ Sub	T-Pulled 00:28
(E) Second Initial Flow 72	☑ Hourly Standby 1h 100	T-Out 02:52
(F) Second Final Flow 91	☑ Mileage 52 RT 80.60	Comments
(G) Final Shut-In 1,032	☐ Sampler	
(H) Final Hydrostatic 1,574	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1655.60
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1655.60	

Approved By ____ Our Representative Phillip Long Thank You.

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

4/10

Test Ticket

NO. 60717

Well Name & No. Kingsley #5 Test No. 2 Date 10-25-14

Company Cove Oil Company Elevation 2170 KB 2162 GL

Address 202 S St Francis P.O. Box 2757 Wichita, KS 67202

Co. Rep / Geo. Chuck Schmultz Rig Maverick 102

Location: Sec. 17 Twp. 14S Rge. 20W Co. Ellis State KS

Interval Tested 3447 - 3502 Zone Tested Lansing "A-B-C"

Anchor Length 55' Drill Pipe Run 3305 Mud Wt. 8.7

Top Packer Depth 3447 Drill Collars Run 120 Vis 50

Bottom Packer Depth 3447 Wt. Pipe Run 0 WL 9.2

Total Depth 3502 Chlorides 2,500 ppm System LCM 2#

Blow Description IF- BOBin 5mins
ISI- No Return
FF- BOBin 7mins
FSI- No Return

Rec 819'	Feet of SMCW, with oil spots	%gas	%oil 90	%water 10	%mud	
Rec 315'	Feet of MCW, with oil spots	%gas	%oil 70	%water 30	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total 1,134 BHT 114 Gravity — API RW .17 @ 61 °F Chlorides 57,000 ppm

(A) Initial Hydrostatic 1706	☑ Test 1150	T-On Location 13:41
(B) First Initial Flow 86	☑ Jars 250	T-Started 13:42
(C) First Final Flow 296	☑ Safety Joint 75	T-Open 17:00
(D) Initial Shut-In 764	☐ Circ Sub	T-Pulled 21:00
(E) Second Initial Flow 313	☐ Hourly Standby	T-Out 23:32
(F) Second Final Flow 536	☑ Mileage 52 RT 80.60	Comments
(G) Final Shut-In 745	☐ Sampler	
(H) Final Hydrostatic 1,623	☐ Straddle	
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 30	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In 60	☐ Extra Recorder	☐ Extra Copies
Final Flow 60	☐ Day Standby	Sub Total 0
Final Shut-In 90	☐ Accessibility	Total 1555.60
	Sub Total 1555.60	MP/DST Disc't

Approved By Our Representative Thank You.

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 60718

Well Name & No. Kingsley #5 Test No. 3 Date 10-26-14

Company Cove Oil Company Elevation 2170 KB 2162 GL

Address 202 S St Francis P.O. Box 2757 Wichita, KS 67202

Co. Rep / Geo. Chuck Schmeltz Rig Maverick 102

Location: Sec. 17 Twp. 14S Rge. 20W Co. Ellis State KS

Interval Tested 3575-3658 Zone Tested LKC "H-I-J"

Anchor Length 83' Drill Pipe Run 3460 Mud Wt. 9.2

Top Packer Depth 3570 Drill Collars Run 120 Vis 44

Bottom Packer Depth 3575 Wt. Pipe Run 0 WL 9.4

Total Depth 3658 Chlorides 3,200 ppm System LCM 1½#

Blow Description IF- Built to 6"
ISI- No Return
FF- Built to 8"
FSI- No Return.

Rec 20'	Feet of MW with oil spots	%gas	%oil	%water	100	%mud
Rec 0	Feet of GIP-2291	100 %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 20' BHT 110 Gravity ____ API RW ____ @ ____ °F Chlorides ____ ppm

(A) Initial Hydrostatic	1,773	☑ Test 1150	T-On Location 16:05
(B) First Initial Flow	42	☑ Jars 250	T-Started 16:08
(C) First Final Flow	32	☑ Safety Joint 75	T-Open 19:35
(D) Initial Shut-In	214	☐ Circ Sub	T-Pulled 23:35
(E) Second Initial Flow	34	☐ Hourly Standby	T-Out 02:19
(F) Second Final Flow	37	☑ Mileage 52 RT 80.60	Comments
(G) Final Shut-In	196	☐ Sampler	
(H) Final Hydrostatic	1,685	☐ Straddle	
		☐ Shale Packer	☐ Ruined Shale Packer
Initial Open	30	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In	60	☐ Extra Recorder	☐ Extra Copies
Final Flow	60	☐ Day Standby	Sub Total 0
Final Shut-In	90	☐ Accessibility	Total 1555.60
		Sub Total 1555.60	MP/DST Disc't

Approved By ____ Our Representative Phillip Long Thank You

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 60719

Well Name & No. Kingsley #5 Test No. 4 Date 10-27-14

Company Gore Oil Company Elevation 2170 KB ~~2172~~ 2162 GL

Address 202 S St Francis P.O. Box 2757 Wichita, KS 67202

Co. Rep / Geo. Chuck Schmultz Rig Maverick 102

Location: Sec. 17 Twp. 14S Rge. 20W Co. Ellis State KS

Interval Tested 3807-3838 Zone Tested ~~Lansing-KC~~ Arbuckle

Anchor Length 31' Drill Pipe Run 3679 Mud Wt. 9.1

Top Packer Depth 3802 Drill Collars Run 120 Vis 54

Bottom Packer Depth 3807 Wt. Pipe Run 0 WL 9.2

Total Depth 3838 Chlorides 3,500 ppm System LCM 2#

Blow Description IF Built to 1"
ISI- No Return
FF- No Blow
FSI- No Return

Rec 10'	Feet of SOCM	%gas	%oil 10	%water	90	%mud	
Rec 10'	Feet of O	%gas	%oil 100	%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 20' BHT 113 Gravity 37 API RW ___ @ ___ °F Chlorides ___ ppm

(A) Initial Hydrostatic 1,958	☑ Test 1150	T-On Location 22:15
(B) First Initial Flow 28	☑ Jars 250	T-Started 22:26
(C) First Final Flow 26	☑ Safety Joint 75	T-Open 02:34
(D) Initial Shut-In 148	☐ Circ Sub	T-Pulled 05:34
(E) Second Initial Flow 30	☐ Hourly Standby	T-Out 07:71
(F) Second Final Flow 25	☑ Mileage 57 RT 80.60	Comments
(G) Final Shut-In 89	☐ Sampler	
(H) Final Hydrostatic 1,860	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1555.60
Final Shut-In 60	☐ Accessibility	MP/DST Disc't
	Sub Total 1555.60	

Approved By ___ Our Representative Phillip Long Thank You

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 60720

Well Name & No. Kingsley #5 Test No. 5 Date 10-28-14

Company Core Oil Company Elevation 2170 KB 2162 GL

Address 202 S St Francis P.O. Box 2757 Wichita, KS 67202

Co. Rep / Geo. Chuck Schmultz Rig Maverick 102

Location: Sec. 17 Twp. 14S Rge. 20W Co. Ellis State KS

Interval Tested 3804-3846 Zone Tested Reagan Sand

Anchor Length 42' Drill Pipe Run 368 Mud Wt. 9.2

Top Packer Depth 3799 Drill Collars Run 120 Vis 48

Bottom Packer Depth 3804 Wt. Pipe Run 0 WL 9.2

Total Depth 3846 Chlorides 5,000 ppm System LCM 1½#

Blow Description IF- BOB in 1 min.
ISI- No Return
FF- BOB in 1 min.
FSI- No Return.

Rec 1638'	Feet of SMCW	%gas	%oil	90 %water	10 %mud	
Rec 315'	Feet of MCW	%gas	%oil	80 %water	20 %mud	
Rec 645'	Feet of MCW	%gas	%oil	50 %water	50 %mud	
Rec	Feet of	%gas	%oil	%water	%mud	
Rec	Feet of	%gas	%oil	%water	%mud	

Rec Total ~~2623~~ 2598 BHT 123 Gravity — API RW .28 @ 41 °F Chlorides 71,000 ppm

(A) Initial Hydrostatic 1950	☑ Test 1150	T-On Location 14:08
(B) First Initial Flow 395'	☑ Jars 250	T-Started 14:10
(C) First Final Flow 987	☑ Safety Joint 75	T-Open 16:54
(D) Initial Shut-In 1,186	☐ Circ Sub	T-Pulled 18:54
(E) Second Initial Flow 971	☐ Hourly Standby	T-Out 21:54
(F) Second Final Flow 1,165	☑ Mileage 52 RT x2 80.60+80.60	Comments Loaded Tools on 10-24-14 at 10:30am
(G) Final Shut-In 1,187	☐ Sampler	
(H) Final Hydrostatic 1,885	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In ~~60~~ 30	☐ Extra Recorder	Sub Total 0
Final Flow 30	☐ Day Standby	Total 1636.20
Final Shut-In 30	☐ Accessibility	MP/DST Disc't
	Sub Total 1636.20	

Approved By _____ Our Representative Phillip Long George Hawk Jr.

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CHARLES SCHMALTZ
CONSULTING GEOLOGIST
WICHITA, KANSAS

GEOLOGIC REPORT LOG

COMPANY GORE OIL CO

WELL KINGSLEY #5

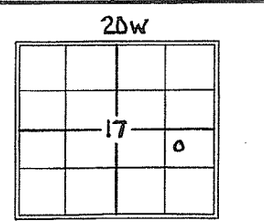
FIELD SPRING BROOK

LOCATION 2150' FSL - 1100' FEL

SEC 17 TWSP 14S RGE 20W

COUNTY ELLIS

STATE KANSAS



PRODUCTION:

ELEVATION: KB 2168 DF GL 2162

DRILLING MEASURED FROM KB

MUD COMPANY ANDY'S MUD CO.

CONTRACTOR MAVERICK DRLG CO. RIG # 102

COMMENCED 7 OCT 2014 COMPLETED 29 OCT 2014

CASING RECORD:

SURFACE 8 5/8 @ 263' PRODUCTION NA

TOTAL DEPTH DRLS. 3900

TOTAL DEPTH LOG 3902

SAMPLES SAVED FROM 10' - 3000 TO RTD

DRILLING TIME KEPT FROM 1' - 3000 TO RTD

SAMPLES EXAMINED FROM 3000 TO RTD

GEOLOGICAL SUPERVISION FROM 2940 TO TOTAL DEPTH

DRILL STEM TESTS TRILOBITE TESTING CO.

ELECTRICAL SURVEYS PIONEER ENERGY SERVICES
DIL
CN-CD
MEL

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE - TOP	NA	1460	+708	
ANHYDRITE - BASE	1508	1506	+662	
TOREKA	3180	3181	-1013	
DREAD	3349	3349	-1181	
HEEBNER	3420	3420	-1252	
TORONTO	3438	3440	-1272	
LANSING	3459	3458	-1290	
BKC	3709	3708	-1540	
MARMATON	3772	3772	-1604	
ARBUCKLE	3831	3830	-1662	
REAGAN SD	3842	3842	-1674	
TOTAL DEPTH	3900	3907	-1734	

REFERENCE WELL FOR STRUCTURE

SCHM01-12

DRILL STEM TESTS

No.	Interval	IFP/Time	ISIP/Time	FFP/Time	FSIP/Time	IHH-FHH	RECOVERY
1	3345-3430 DREAD	38#-64# 30"	1052# 60"	72#-91# 30"	1032# 60"	1623#-1574# 108°F	140' MUD W/ OIL SPOTS
2	3447-3502 LANS 'A-C'	86#-296# 30"	764# 60"	313#-536# 60"	745# 90"	1706#-1623# 114°F	315' MCW W/ OIL SPOTS 819' SMCW W/ OIL SPOTS
3	3575-3658 LANS 'H-J'	42#-32# 30"	214# 60"	34#-37# 60"	196# 90"	1773#-1685# 110°F	229' GIP 20' MUD W/ OIL SPOTS
4	3807-3838	28#-26# 30"	148# 60"	30#-25# 30"	89# 60"	1958#-1860# 113°F	10' CO - GR 37° 10' SOCM
5	3804-3846	395#-987# 30"	1186# 30"	971#-1165# 30"	1187# 30"	1950#-1885# 123°F	645' MW 315' MCW 1638' SMCW

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	12 1/4	JZ	RR	266	266	5
2	7 7/8	JZ	ENP0123	3900	3634	89

PIPE STRAPS & DEV. SURVEYS

DEVIATION SURVEYS:
@ 266' - 1/2°
@ 2478' - 3/4°
@ 3480' - 3/4°

PIPE STRAP:
@ 3430' - 0.24 SHORT

DAILY PENETRATION

DATE	DEPTH
10-7	MIRT
10-8/10-10	DOWN
10-11	186'
10-12	636'
10-13/10-14	DOWN
10-15	1425'
10-16	2155'
10-17/10-21	DOWN
10-22	2308'
10-23	2644'
10-24	3280'
10-25	3490'
10-26	3552'
10-27	3658'

MUD RECORD

NO	DATE	DEPTH	ACTIVITY	WT	VIS	WL	VP	PH	GS	LCM	CHL
				MUD TYPE:			PUMP SIZE:		BPS:		
3	10-23	2840	DRLG	8.7	51	8.4	15	11.5	11/23	3#	2500
4	10-24	3430	DRLG	8.7	50	9.2	12	10.5	10/20	2#	2500
5	10-25	3502	DST #2	9.3	49	8.8	14	10.0	10/20	2#	3000
6	10-26	3608	DRLG	9.2	44	9.4	5	9.5	8/16	1.5#	3200
7	10-27	3705	DRLG	9.1	54	9.2	19	10.0	13/23	2#	3500
8	10-28	3843	CFS	9.2	48	9.2	21	9.0	12/23	1.5#	5000
		10-28	3838'								
		10-29	3900'								

LEGEND

LOG 7710

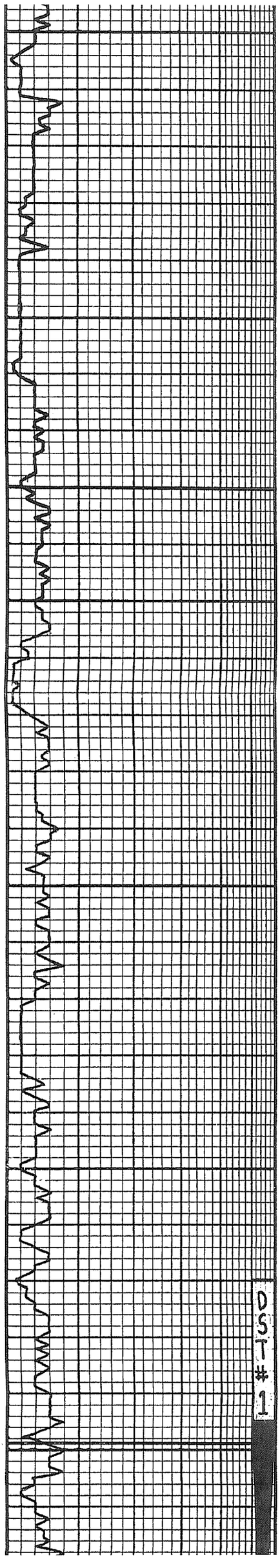
LEGEND

DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

5" 10" 15" 20" 25"

GEOLOGRAPH LINE BROKE-NO TIME RECORDED

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
1450				
60				
70				
80				
90				
1500				
10				ANHYDRITE - BASE
20				1508 (+660)
30				
3000				
10		ls: tan, fn-med xtln, granular; calcitic in part, pr interxtln ø, ls: grey, dolomitic in part, shaley, no vis ø, no show		
20		ls: as above w/ ls: grey, tan, fn-med xtln, mottled, sli dolomitic w/ interbedded grey shale; no show		
30		ls: tan, grey-brown, fn-med xtln, no vis ø, no show; w/ sh: grey, sh: lt. grey silty, micaceous; no show		
40		sh: grey, lt grey, silty, micaceous in part		
3050		sh: green, calc.; ls: brown, grey, brown, fn-med xtln, sli foss, no vis ø, no show		
60		ls: as above w/ scat ls: brown, vfn xtln dense.; sh: grey		
70		ls: brown, grey, vfn-fn xtln, dense w/ some med xtln, sli foss, mottled in pt, no vis ø, no show		
80		ls: brown, grey, fn-med xtln, sli foss, no vis ø, no show		
90		ls: brown, dk brown, grey, dk grey, vfn-some med xtln, mottled in part, v sli foss, no vis ø, no show		
3100		ls: tan, brown, grey, microxtln, dense; some fn-med xtln, foss in part (fusilinids) no vis ø, no show		
10		sh: lt grey, v sli silty, micaceous; few pcs green sh.		
		ls: tan, brown, grey, fn-med xtln, sli foss, mottled in part, tr glauconitic,		



3100
10
20
30
40
3150
60
70
80
90
3200
10
20
30
40
3250
60
70
80
90
3300
10
20
30
40
3350
60

some fn-medxtln, foss in part thusiliniclsl no vis ø, no show

sh: lt grey, v sli silty, micaceous; few pcs green sh.

ls: tan, brown, grey, fn-medxtln, sli foss, mottled in part, tr glauconitic, no vis ø, no show.

ls: as above w/ few pcs tan fn-med xtln calcitic no vis ø no show

ls: as above w/ ls: tan, fnxtln, chalky w/ sh: lt. grey, grey, sli micaceous, dolomitic in part; no vis ø, no show

sh: lt. grey grey sli silty dolomitic in part

sh: as above, w/ sh: grey dk grey silty in part scat ls inclusions

ls: tan, grey, fn-medxtln, detrital mottled, sli foss, no vis ø, no show

ls: as above; w/ sh: grey, grey-green

ls: tan, fn-medxtln, sli calcitic, sli foss, no vis ø, no show

ls: as above, w/ ls: brown, grey, dk grey, fn-medxtln, sli foss, dense

ls: as above w/ few pcs grey, sli calc sh.

ls: off wh, tan, lt. brown, fn-medxtln granular, v sli sandy, sli calcitic & foss, pr-fr ppt ø, no fluor, cut, st, or odor; NSO

ls: brown, grey, grey-brown, fn-medxtln, detrital, foss in part, no vis ø, NS.

sh: lt. grey, silty - sli sandy sh: green; ls: lt. brown, fn-medxtln, sli calcitic, v sli dolomitic, no show.

ls: tan, brown, grey, vfn - some. med xtln, sli foss, mottled; cpl pcs w/ pr interxtln ø; no show

ls: as above; no show

ls: tan, brown, fn-medxtln, foss, detrital, no vis ø, no show

ls: off wh, tan, fn-medxtln, sli calcitic, v sli foss, granular, scat pr-fr ppt & interxtln ø; no fluor, cut, st, or odor

ls: as above; no show; w/ ls: brown, grey, micro - some. medxtln, sli foss, dense

ls: tan, brown, grey, fn-medxtln, sli foss, detrital, scat interbedded grey sh; few pcs green sh

ls: as above; w/ scat grey, green sh

ls: tan, fn-medxtln, granular, sli foss, scat pr interxtln ø, no show. ls: tan, grey, vfn-fnxtln, dense.

ls: tan, lt. brown, fnxtln, granular, sli calcitic, scat pr ppt & interxtln ø, no show

ls: tan, grey, vfn - some medxtln, calcitic in part, no vis ø; considerable grey, green sh.

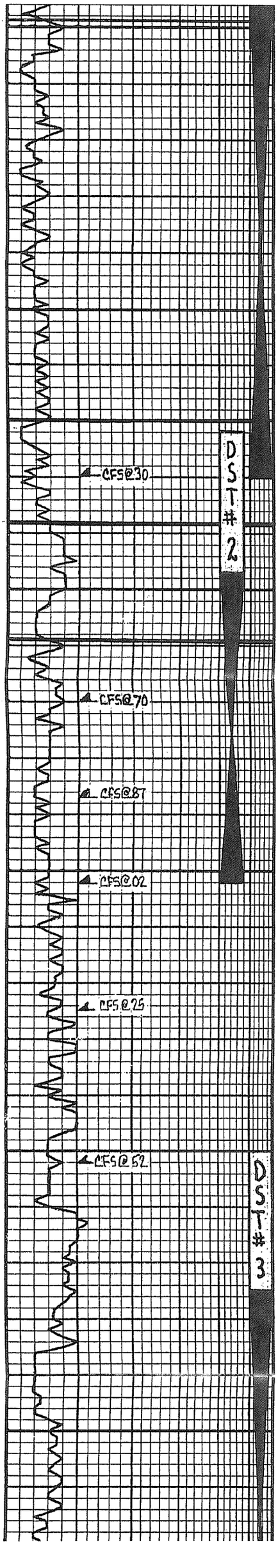
ls: tan, grey, fn-medxtln, sli foss, no vis ø,
sh: grey, dk grey, some black

ls: tan, grey, fn-medxtln, dense
ls: tan, fnxtln, granular, sli foss, sli calcitic, app pr ppt & vuggy ø, cpl pcs w/ pr spotty stn wk crush cut only, no show FO, no odor.
ls: dk brown dk grey fn medxtln

TOPEKA
3180 (-1012)

OREAD
3349 (-1181)

DST #1
(3345 - 3430)



sh: grey, dk grey, some black

ls: tan, grey, fn-medxtln, dense
ls: tan, fnxtln, granular, sli foss, sli calcite, app pr ppt & vuggy ø, cpl pcs w/ pr spotty sty wk crush cut only, no show FO, no odor.

ls: dk brown, dk grey, fn-medxtln, dense.

ls: tan, fn-medxtln, granular, fr-gd ppt vuggy por (3-4 pcs/trav), otherwise vpr-pr ø, vry scat pr spots st, 4 pcs total w/ fr-gd st w/ sat, 3 pcs w S-FSFO & few gas bubbles, v ft fluor, v wk cut, no odor

ls: tan, brown, some grey, fn-medxtln, v scat pr interxtln ø, no fluor, st, cut, or odor: NSO

ls: as above; no show, w/ sh grey

ls: tan, brown, grey, vfn-some medxtln, dense, w/ sh: grey

sh: dk grey, black
ls: lt. brown, lt grey, vfn-fnxtln, dense

sh: lt-dk grey, sli calc; few pcs green, rust

ls: off wh, tan, lt brown, vry fn-fnxtln, v sli foss, no vis ø; Δ: wh, lt. grey, fresh dp → semi trans, no show

sh: mostly lt. grey, sli silty, some grey, green

ls: off wh, greyish-wh, fn-medxtln, sli foss, scat pcs ool, detrital, mpstly, pr spotty (few pcs fr-gd) interparticle ø, pr spotty (few pcs fr-gd) st w/ sat; s-tr FSFO, ft. crush odor.

ls: tan, brown, some grey, fn-medxtln, no vis ø; sh: grey, dolomitic → dolo: grey, fnxtln, shaley; sh: grey, sli sandy sh: grey, green, some brown

ls: off wh, tan, fn-medxtln, v sli foss, sli ool, scat pr-tr fr interxtln & vuggy ø, tr pr interool ø, scat pr-fr st w/ some sat, VSSFO w/ few gas bubbles, v ft odor

ls: tan, lt. brown, vfn-fnxtln, no vis ø, NS
sh: grey, green-grey

ls: tan, fn-medxtln, sli foss, scat vpr-pr interxtln por, scat pr spotty st in ø, cpl pcs w/ minute ppts FO, no odor

ls: as above; most dense, w/ tr show as above; w/ sh: grey

ls: tan, fn-medxtln, sli foss, ool, most well cemented, scat pr-few pcs fr interool ø, pr-tr fr interool st, rare ppt FO, no odor

ls: tan, vfn-fnxtln, mostly dense, few isolated vugs w/ huy dk st, NSFO, no odor.

ls: tan, lt. brown, fn-medxtln, no vis ø, no show

ls: tan, lt. brown, micro-fnxtln, dense few pcs Δ; lt. grey, fresh, opaque

ls & few pcs Δ, as above

ls: as above, w/ sh: grey, grn-grey

ls: tan, lt. brown, off wh, fn-medxtln, sli granular, chalky in part, scat vpr interxtln ø, no st, fluor, cut, odor

ls: as above, dense, no vis ø, NS

ls: as above, w/ sh: grey, few pcs brown

OREAD
3349 (-1181)

DST #1
(3345 - 3430)
30"-60"-30"-60"
IFP: SURF BLOW BLDG TO 3¼"
ISIP: NO BLOW
FFP: SURF BLOW BLDG TO 1¼"
RECOVERED:
140' MUD w/ OIL SPOTS
HSP: 1623# - 1574#
FP: 38#-64#/72#-91#
SIP: 1052# - 1032#
BHT: 108° F

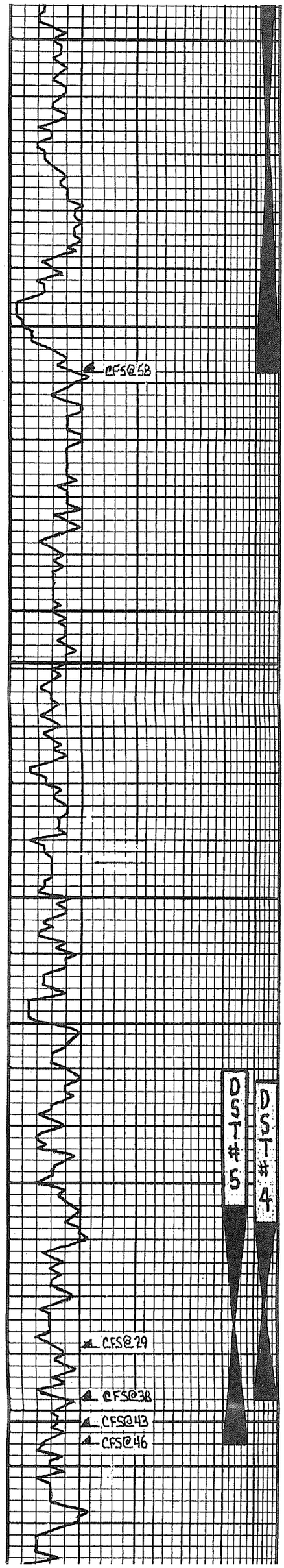
HEEBNER
3420 (-1252)

TORONTO
3438 (-1270)

LANSING
3459 (-1291)

DST #2
(3447 - 3502)
30"-60"-60"-90"
IFP: BOB IN 5"
ISIP: NO BLOW
FFP: BOB IN 7"
FSIP: NO BLOW
RECOVERED:
315' MCW w/ OIL SPOTS (30% M, 70% W)
819' SMCW w/ OIL SPOTS (10% M, 90% W)
CHL: 57000 PPM SYS: 2500 PPM
HSP: 1706# - 1623#
FP: 86#-296#/313#-536#
SIP: 764# - 745#
BHT: 114° F

DST #3
(3575 - 3658)
30"-60"-60"-90"
IFP: SURF BLOW BLDG TO 6"
ISIP: NO BLOW
FFP: 4" BLOW BLDG TO 8"
FSIP: NO BLOW
RECOVERED:
229' GIP
20' MUD w/ OIL SPOTS



ls: tan, lt. brown, off wh, fn-medxtln, sli granular, chalky in part, scat vpr intercrystalline ø, no sh, fluor, cut, odor

ls: as above, dense, no vis ø, NS

ls: as above, w/ sh: grey, few pcs brown

ls: tan, lt. grey, fn-medxtln, scat vpr-pr fine ppt ø, pr spotty-cpl pcs fr st w/ pr sat, NSFO, no odor

ls: tan, lt brown, grey, vfn-fnxtln, dense, no vis ø, no show

sh: grey, greenish-grey

ls: wh, lt. grey, fn-medxtln, ool & oac, fr-gd oac ø, fr-gd st w/ fr sat, F-GSFO -vry gassey, fr odor.

ls: off wh, tan, lt. brown, vfn-some medxtln, sli ool, no vis ø, no show

sh: grey, dk. grey

ls: tan lt. brown lt. green vfn-fn xtln sli ool well cemented no vis ø no show

ls: tan, lt. brown, lt. grey-brown, vfn-fnxtln, sli ool, cpl pcs w/ vpr inter-xtln ø, tr pr st, NSFO, no odor

sh: grey, sh: green-grey w/ ls: inclusions

ls: off wh, lt. grey, tan, fn-medxtln, vsli foss, tr vpr intercrystalline ø, tr pr st, NSFO, no odor; ls: wh fnxtln chalky

ls: as above no show

sh: grey, rust, brown, scat ls. inclusions

ls: tan, brown, lt. grey, fn-medxtln, sli ool, scat red sh matrix, sh: grey rust, brown

ls: as above; scat pcs w/ rust-red sh matrix; sh: rust, brown, grey, scat ls inclusions

sh: rust, brown, some green, grey ls: off wh, lt. grey, fn-med xtln, scat pcs w/ rust shale matrix

ls: off wh, grey, fn-medxtln, dense; scat pcs w/ red-rust shale matrix, sh: rust, brown, some grey, green

same as above; w/ few pcs ourdlesh

Δ: lt. grey, tan, gold, orange, fresh, op→ semi-trans, considerable sh: rust, brown, grey; ls: off wh, lt. grey fn-medxtln, dense

Δ as above w/ scat ls: contact, ls: brown, grey, vfnxtln, dense; sh: rust, brown, grey

Δ tan, fresh, semi-trans; Δ: wh, fresh sli weathered, vpr st, NSFO; sh: brn grey; ls: grey, fnxtln, dense; Δ: grey, fresh, opague

as above; w/ considerable, orange fresh, semi-trans Δ

ss: fn grained, grey, well-sorted, well-sorted; considerable, dead oil residue; no show live oil or st, sh: rust, brown, grey, sli sandy

ss: as above, w/ calc cement & sh matrix, no vis ø, no show; sh: as above

dolo: lt. grey, fn-medxtln, fr-some gd intercrystalline ø, fr st w/ sat, fr cut, SSFO, gd odor.

dolo: as above w/ few clusters ss: wh, tan, clear, med grned, well sorted, scat calc cement, fr-some gd intergran ø, fr st w/ sat, fr slow cut, SSFO, no odor

ss: as above; w/ dec. in show; est 5% of spl w/ pr spotty st & rare ppt FO.

ss: clear, wh, tan, fn-medxtln, scat calc. cement; pr-fr intergrained ø,

ARB(?) 3831

@ CFS 3843

@ CFS 3846

IFP: SURF BLOW BLDG TO 6"
ISIP: NO BLOW
FFP: 4" BLOW BLDG TO 8"
FSIP: NO BLOW
RECOVERED:
229' GIP
20' MUD w/ OIL SPOTS
HSP: 1773# - 1685#
FP: 42#-32# 34#-37#
SIP: 214# - 198#
BHT: 110°F

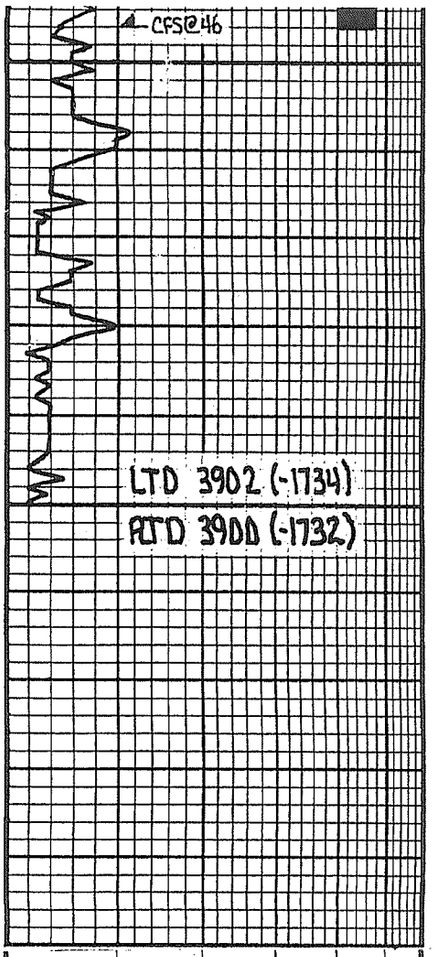
BKC
3709 (-1541)

MARMATON
3772 (-1604)

DST #4
(3807 - 3838)
30" - 60 - 30" - 60"
IFP: SURF BLOW BLDG TO 1"
FFP: NO BLOW
RECOVERED:
10' CO - GR 37°
10' SOCM (10%O, 90%M)
HSP: 1958# - 1860#
FP: 28#-26# / 30#-25#
SIP: 148# - 89#
BHT: 113°F

REAGAN SAND
3842 (-1674)

DST #5
(3804 - 3846)
30" - 30" - 30" - 30"
IFP: BOB IN 1"



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
3850		Gold: as above w/ few clusters ss: wh, tan, clear, med grned, well sorted, scat calc cement, fr-some gd intergran Ø, fr st w/ sat, fr slow cut, SSFO, no odor	@ CFS 3843	3847 (-1671)
60		ss: as above; w/ decr in show: est 5% of spl w/ pr spotty st & rare ppt FO.	@ CFS 3846	DST #5 (3804 - 3846) 30"-30"-30"-30" IFP: BOB IN 1" ISIP: NO BLOW FFP: BOB IN 1" FSIP: NO BLOW RECOVERED: 645' MW (50%M, 50%W) 315' MCW (20%M, 80%W) 1638' SMCW (10%M, 90%W) CHL: 71000 PPM SYS: 5000 PPM HSP: 1950# - 1885# FP: 395#-987#/971#-1165# SIP: 1186# - 1187# BHT: 123° F
70		ss: clear, wh, tan, fn-med xtln, scat calc cement, pr-fr intergrained Ø, no fluor, cut, st, odor, NSO		
80		ss: as above, scat calc cement & pyrite inclusions; considerable pyrite pcs		
90		ss: clear, wh, tan, fn-med grained, well-sorted, scat calc cement, pr-fr intergrained Ø, no show		
3900		ss: as above, no show		

5" 10" 15" 20" 25"
DRILLING TIME Minutes/Foot
Rate of Penetration Decreases

ALLIED OIL & GAS SERVICES, LLC 055519

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

DATE 10.11.14	SEC. 17	TWP. 14	RANGE 20	CALLED OUT	ON LOCATION	JOB START 100	JOB FINISH 205
LEASE Kingsley	WELL # 5		LOCATION Ellis, Ks			COUNTY Ellis	STATE Ks
OLD OR (NEW) (Circle one)			Ellis High School 6s W into				

CONTRACTOR Maverick
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D.
CASING SIZE 8⅝ DEPTH 266'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 15.98 Bbl H2O

OWNER

EQUIPMENT

PUMP TRUCK # 417 CEMENTER Tony Pfannenstiel
HELPER Daady S.
BULK TRUCK # 410 DRIVER Tracy J.
BULK TRUCK # DRIVER

CEMENT

AMOUNT ORDERED 165 sm
+ 2% gel + 3% cc

COMMON	165sk	@ 17.9	$2,953.50
POZMIX		@	
GEL	3.10.2 lb	@ .50	$ 155.10
CHLORIDE	465.3 lb	@ 1.10	$ 511.83
ASC		@	
		@	
	Material	@	3630.43
		@	
	Mileage	@ 72408	
		@	
		@	
		@	
HANDLING	165 sk	@ 2.48	$ 409.20
MILEAGE	193.875 Tm	2.75	$ 533.15

TOTAL ~~$ 4,564.26~~ 1,

REMARKS:

Cement to Surface
See Cementing Job Log

SERVICE

DEPTH OF JOB			266'
PUMP TRUCK CHARGE			$ 1,512.25
EXTRA FOOTAGE		@	
MILEAGE	Heavy 50	@ 7.7	$ 385.0
MANIFOLD	Light 95	@ 4.4	$ 110.0
		@	
		@	
			2949.60
Mileage 589.92		TOTAL	~~$ 2,007.25~~

CHARGE TO: Gore Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL

To: Allied Oil & Gas Services, LLC.
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.

SALES TAX (If Any)
TOTAL CHARGES $ 6,570.03
DISCOUNT $ 1,314.00 (20%) IF PAID IN 30 DAYS
Net 5256.03

PRINTED NAME David Wolf

SIGNATURE

ALLIED OIL & GAS SERVICES, LLC 055601

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell Ks.

DATE 10-29-14	SEC. 17	TWP. 14	RANGE 20	CALLED OUT 1000 AM	ON LOCATION 100 pm	JOB START 630pm	JOB FINISH 730pm
LEASE Kinsley	WELL # 5		LOCATION Ellis, Kansas			COUNTY Ellis	STATE Ks
OLD OR (NEW) (Circle one)			Ellis High School 6 S- W-into				

CONTRACTOR maverick #102
TYPE OF JOB P+A - New well
HOLE SIZE [redacted] 7/8 T.D. 3900'
CASING SIZE 8 5/8 DEPTH 266'
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT

OWNER

CEMENT
AMOUNT ORDERED 270 60/40 Poz, 4% gel

EQUIPMENT

PUMP TRUCK CEMENTER Allen Werth
409 HELPER Nathan Donner
BULK TRUCK
985-292 DRIVER Jon Price
BULK TRUCK
DRIVER

COMMON	270	@	
~~POZMIX~~	60/40 4% gel	@ 18.92	5108.40
GEL		@	
CHLORIDE		@	
ASC		@	
Flo-Seal	1/4# 59	@ 2.97	175.23
		@	
		@	
Material		@	5283.63
Disc		@ 1447.40	
		@	
		@	
HANDLING	270 SKs	@ 2.48	669.60
MILEAGE	291.25 T/m	2.25	800.94
		TOTAL	

REMARKS:

SEE Cement Job Log.

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	2668.95		
EXTRA FOOTAGE		@	
MILEAGE	25 LV mi.	@ 4.40	110.00
MANIFOLD		@	
	50 HV mi	@ 7.70	385.00
		@	
Disc	1266.80	TOTAL	4524.29

CHARGE TO: Gore Oil Company
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 wooden Plug	@ 110.00	110.00
	@	
	@	
	@	
	@	
Disc 30.80	TOTAL	110.00

To: Allied Oil & Gas Services, LLC.
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.

SALES TAX (If Any)
TOTAL CHARGES 9917.92
DISCOUNT [redacted] IF PAID IN 30 DAYS
$2777.02

PRINTED NAME David Yoff

SIGNATURE

Discount Total
$7140.90