



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1201609
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

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

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

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

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

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1201609

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 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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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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> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Ganoung B 3
Doc ID	1201609

All Electric Logs Run

Dual Induction
Microresistivity
Dual Compensated Porosity
Dual Receiver Cement Bond
Borehole Compensated Sonic

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	Ganoung B 3
Doc ID	1201609

Tops

Name	Top	Datum
Anhydrite	1372	+730
B/Anhydrite	1408	+694
Topeka	3012	-910
Heebner Shale	3228	-1126
Toronto	3243	-1141
Lansing	3266	-1164
BKC	3501	-1399
Marmaton	3518	-1416
Conglomerate	3562	-1460
Arbuckle	3578	-1476

ALLIED OIL & GAS SERVICES, LLC 061940

REMIT TO Garduna B-3
 P.O. BOX 93999
 SOUTHLAKE, TEXAS 76092

Federal Tax I.D. # 20-8651476

SERVICE POINT:

~~Garland~~
Pensacola

DATE <u>10-25-13</u>	SEC <u>22</u>	TWP <u>9</u>	RANGE <u>19W</u>	CALLED OUT	ON LOCATION	JOB START <u>7:30 AM</u>	JOB FINISH <u>1:00 PM</u>
LEASE <u>Garland</u>	WELL # <u>3</u>	LOCATION <u> Hwy 183 + 18 2E 13</u>			COUNTY <u>ROBERTS</u>	STATE <u>TX</u>	
OLD OR NEW (Circle one) <u>NEW</u>		<u>1/2 E N 14 RD</u>					

CONTRACTOR <u>Maverick Drilling #1048</u>	OWNER
TYPE OF JOB <u>Spot Casing</u>	CEMENT AMOUNT ORDERED <u>170 SKS</u>
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>10 5/8</u>	DEPTH <u>265.25</u>
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15 SK</u>	
PERFS.	
DISPLACEMENT <u>15,97 bbls Fresh water</u>	

EQUIPMENT			
PUMP TRUCK # <u>409</u>	CEMENTER <u>Dustin Chambers, Tony P</u>		
# <u>3450</u>	HELPER <u>Mike Scott, Nathan D</u>		
BULK TRUCK # <u>410</u>	DRIVER <u>Tommy Tiferino, Jesse C</u>		
BULK TRUCK #	DRIVER		
HANDLING <u>163.51 #s</u>	@ <u>2.48</u>		\$ <u>405.51</u>
MILEAGE <u>226.26</u>	@ <u>2.40</u>		\$ <u>543.24</u>
		TOTAL	\$ <u>948.75</u>

REMARKS:

pump 5 bbls Fresh water ahead
run 170 SKS class A 3-1/2" casing
displace 15,97 bbls Fresh water
circulate for
run down
plug down

SERVICE			
DEPTH OF JOB		<u>265.25</u>	
PUMP TRUCK CHARGE			\$ <u>1,312.25</u>
EXTRA FOOTAGE	@		
MILEAGE <u>Reviz 27m</u>	@ <u>7.7</u>		\$ <u>207.9</u>
MANIFOLD <u>Light 27m</u>	@ <u>4.4</u>		\$ <u>118.8</u>
		TOTAL	\$ <u>1,838.95</u>

CHARGE TO: Goek Oil Co.
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
		TOTAL	\$ <u>0</u>

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.

PRINTED NAME Jeremy Stuckey
 SIGNATURE [Signature]

SALES TAX (if Any) _____
 TOTAL CHARGES \$ 6,579.54
 DISCOUNT \$ 1,599.88 IF PAID IN 30 DAYS
Net 4979.66

JOB LOG

SWIFT Services, Inc.

DATE 11-25-11 PAGE NO. 1
 TICKET NO. 25192

CUSTOMER Gore Oil Co. WELL NO. B43 LEASE Ganoung JOB TYPE Cement Port Collar

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	

	11:30							On location - P. Tub Set up Ttk - 175 SKK SMD out P.C @ 1356'
		3						C 1000 Tot Closed - 1000 - OK 100 Open P.C - ini rate C HAVE Blow Hook to Ttg.
			55			100		start SMD out @ 11.2 ⁴ /gal Cat cie @ 100 SKK
			65					Tail in 25 SK @ 13 ⁴ /gal
						1000		Disp 1 5 BBL H ₂ O - Tot PC close Run Its Htg
			11/30			100		Run-out 2 flag - Clean Job Complete Washing P.T.

(3:31)

[Signature]
 K. M., Son of Texas

JOB LOG

SWIFT Services, Inc.

DATE 11-1-13 PAGE NO. 1

CUSTOMER Core Oil Co WELL NO. #3 LEASE Ganewing 'B' JOB TYPE Cement Longstring TICKET NO. 25180

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	11:45					15 1/2	5 1/2	TO 3600'
	12:50							On loc - F.I.E - Ris L.D. R.H start 5 1/2" 15 #H casing to 3594' Insert float shoe 1 1/2" / Fill-up L.D. Baffle - SJ - 22 1/2' @ 3571.5' 85 Turbolizers 1-3-5-7-9-11-13-53 Baskets Fin end #10 & 54 Port Collar - Collar #54 @ 1356' Drop Ball up ball 6 lbs out Fin run casing Start CIR / Rotate Fin CIR. Plug RH 30 SKS & MH 15 SKS 400 Pump 15 BBI KLL flush 350 Pump 330 gal Flock 8000 350 Pump 5 BBI KCL Spacers 400 Start 153 SKS EA-2 Down hole Val Fin end Wash out pump lines 400 Drop L.D. Plug - Start Displ 450 Change lift press - slowly decrease rate 330 (Lost Return @ 40 BBL / case came back) 1600 6 85 7 1/2 9 8 55 9 6 1/2 1600 6 85 0 11:45

Thacker
Don, Tom & Isaac



DRILL STEM TEST REPORT

Prepared For: **Gore Oil Co.**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmaltz

Ganoung B #3

32-9s-17w Rooks,KS

Start Date: 2013.10.28 @ 22:46:00

End Date: 2013.10.29 @ 09:26:45

Job Ticket #: 55763 DST #: 1

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

Printed: 2013.11.01 @ 09:25:08



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

32-9s-17w Rooks,KS
Ganoung B #3
 Job Ticket: 55763 **DST#: 1**
 Test Start: 2013.10.28 @ 22:46:00

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:11:15
 Time Test Ended: 09:26:45
 Interval: **3226.00 ft (KB) To 3310.00 ft (KB) (TVD)**
 Total Depth: 3310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Brannan L
 Unit No: 59
 Reference Elevations: 2102.00 ft (KB)
 2094.00 ft (CF)
 KB to GR/CF: 8.00 ft

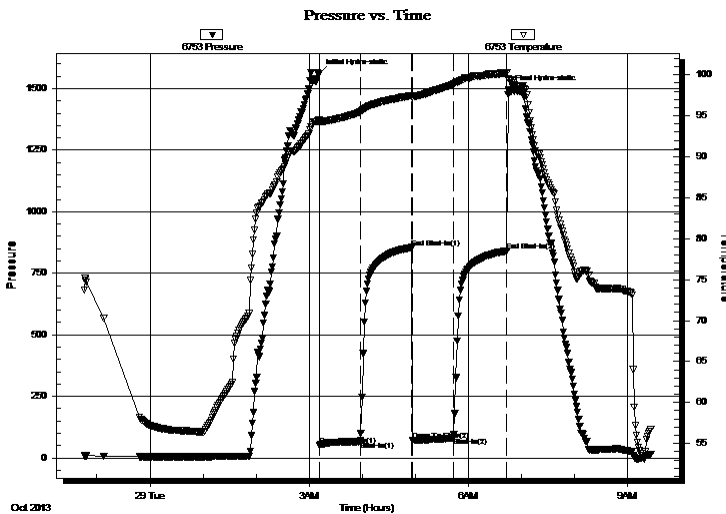
Serial #: 6753

Outside

Press @ Run Depth: 83.90 psig @ 3242.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.28 End Date: 2013.10.29 Last Calib.: 2013.10.29
 Start Time: 22:46:05 End Time: 09:26:45 Time On Btm: 2013.10.29 @ 03:11:00
 Time Off Btm: 2013.10.29 @ 06:44:45

TEST COMMENT: 45- IF- Built to 2 1/2"
 60- ISI- No blow
 45- FF- Built to 1"
 60- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1562.18	94.58	Initial Hydro-static
1	50.56	94.09	Open To Flow (1)
47	69.82	95.47	Shut-In(1)
105	854.90	97.47	End Shut-In(1)
106	71.24	97.24	Open To Flow (2)
152	83.90	98.82	Shut-In(2)
213	840.89	100.29	End Shut-In(2)
214	1495.08	99.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
75.00	WM, 20%W 80%M	0.75

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Co.

32-9s-17w Rooks,KS

PO Box 2757
Wichita, KS 67202

Ganoung B #3

Job Ticket: 55763

DST#: 1

ATTN: Chuck Schmaltz

Test Start: 2013.10.28 @ 22:46:00

Tool Information

Drill Pipe:	Length: 3194.00 ft	Diameter: 3.75 inches	Volume: 43.63 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3226.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	104.00 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			3207.00	
Shut In Tool	5.00			3212.00	
Hydraulic tool	5.00			3217.00	
Packer	5.00			3222.00	20.00 Bottom Of Top Packer
Packer	4.00			3226.00	
Stubb	1.00			3227.00	
Perforations	15.00			3242.00	
Recorder	0.00	8319	Inside	3242.00	
Recorder	0.00	6753	Outside	3242.00	
Change Over Sub	1.00			3243.00	
Drill Pipe	63.00			3306.00	
Change Over Sub	1.00			3307.00	
Bullnose	3.00			3310.00	84.00 Bottom Packers & Anchor

Total Tool Length: 104.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Co.

32-9s-17w Rooks,KS

PO Box 2757
Wichita, KS 67202

Ganoung B #3

Job Ticket: 55763

DST#: 1

ATTN: Chuck Schmaltz

Test Start: 2013.10.28 @ 22:46:00

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:

18000 ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.38 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
75.00	WM, 20%W 80%M	0.754

Total Length: 75.00 ft Total Volume: 0.754 bbl

Num Fluid Samples: 0

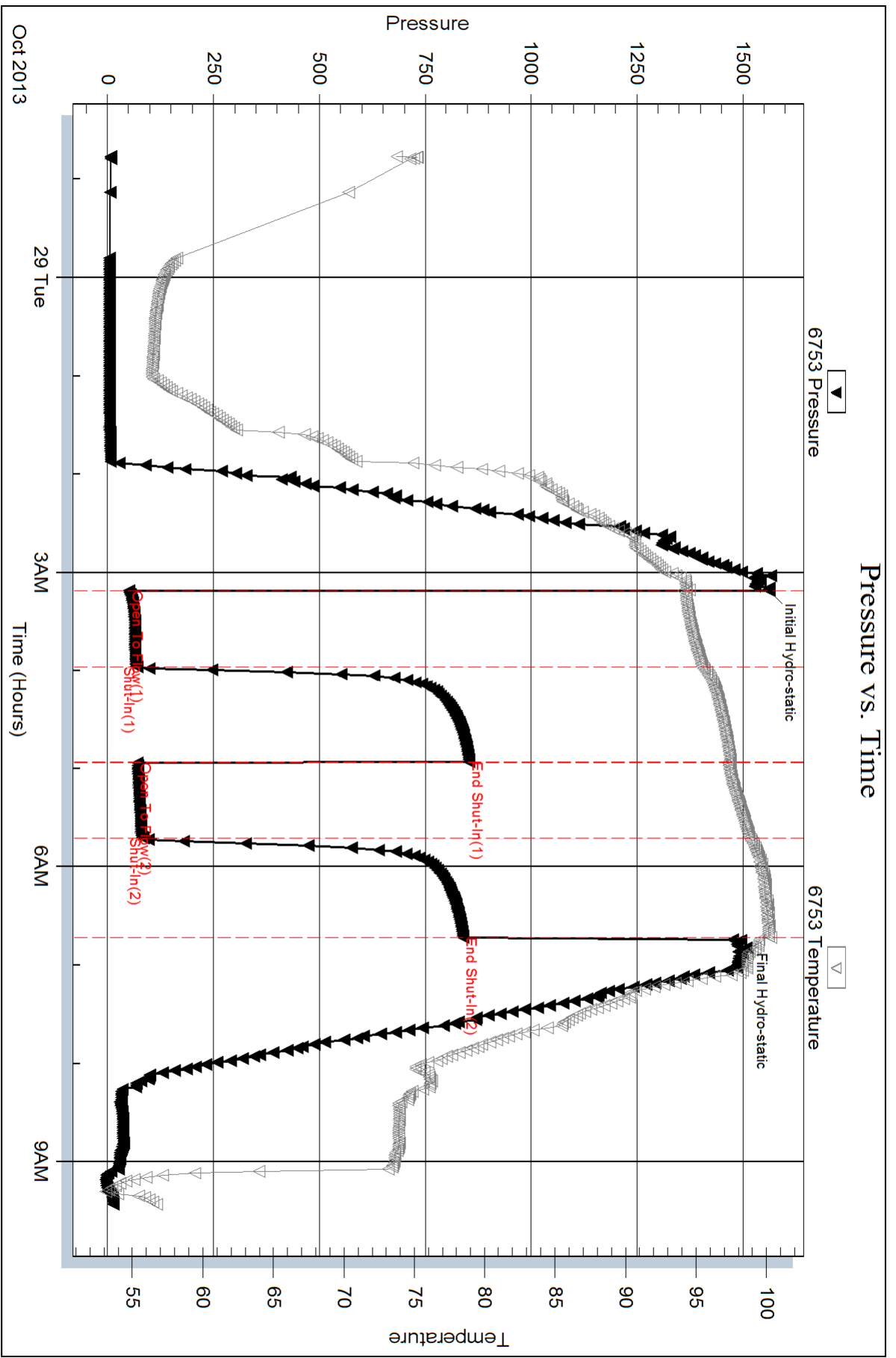
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



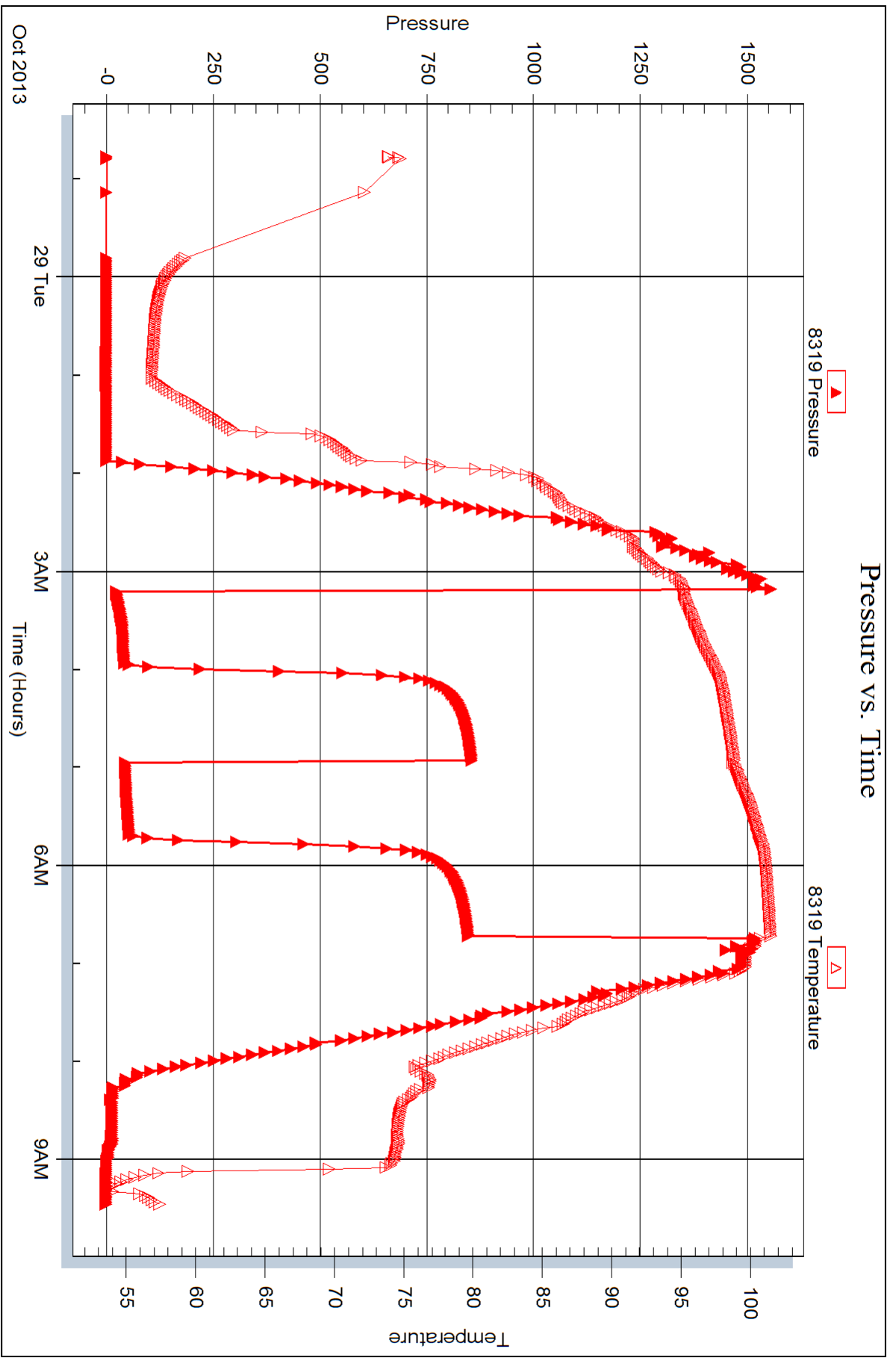
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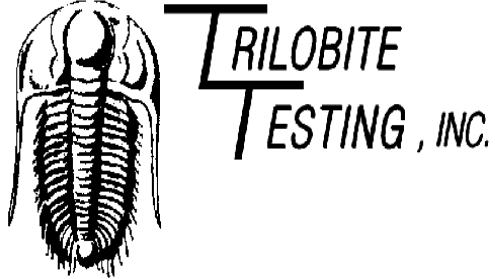
Inside

Gore Oil Co.

Ganoung B#3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Gore Oil Co.**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmaltz

Ganoung B #3

32-9s-17w Rooks,KS

Start Date: 2013.10.29 @ 16:54:00

End Date: 2013.10.29 @ 23:51:45

Job Ticket #: 55764 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.01 @ 09:24:36



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

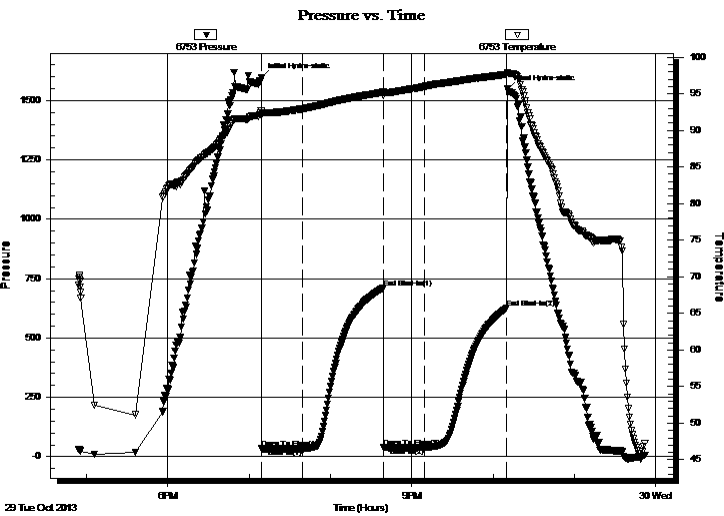
32-9s-17w Rooks,KS
Ganoung B #3
Job Ticket: 55764 **DST#: 2**
Test Start: 2013.10.29 @ 16:54:00

GENERAL INFORMATION:

Formation: **Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 19:09:00
Time Test Ended: 23:51:45
Interval: **3312.00 ft (KB) To 3336.00 ft (KB) (TVD)**
Total Depth: 3310.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 59
Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6753 Outside
Press @ Run Depth: 38.64 psig @ 3333.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.10.29 End Date: 2013.10.29 Last Calib.: 2013.10.29
Start Time: 16:54:05 End Time: 23:51:44 Time On Btm: 2013.10.29 @ 19:08:45
Time Off Btm: 2013.10.29 @ 22:10:30

TEST COMMENT: 30- IF- Weak surface blow
60- IS- No blow
30- FF- No blow
60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1594.81	92.61	Initial Hydro-static
1	35.86	92.01	Open To Flow (1)
31	34.23	92.93	Shut-In(1)
90	710.57	95.19	End Shut-In(1)
91	40.38	94.74	Open To Flow (2)
121	38.64	95.98	Shut-In(2)
182	624.73	97.63	End Shut-In(2)
182	1547.90	97.91	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	M, 100%M	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Gore Oil Co.

32-9s-17w Rooks, KS

PO Box 2757
Wichita, KS 67202

Ganoung B #3

Job Ticket: 55764

DST#: 2

ATTN: Chuck Schmaltz

Test Start: 2013.10.29 @ 16:54:00

Tool Information

Drill Pipe:	Length: 3285.00 ft	Diameter: 3.75 inches	Volume: 44.88 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	60000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	3312.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	24.00 ft				
Tool Length:	44.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3293.00	
Shut In Tool	5.00			3298.00	
Hydraulic tool	5.00			3303.00	
Packer	5.00			3308.00	20.00 Bottom Of Top Packer
Packer	4.00			3312.00	
Stubb	1.00			3313.00	
Perforations	20.00			3333.00	
Recorder	0.00	8319	Inside	3333.00	
Recorder	0.00	6753	Outside	3333.00	
Bullnose	3.00			3336.00	24.00 Bottom Packers & Anchor
Total Tool Length:	44.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Co.

32-9s-17w Rooks,KS

PO Box 2757
Wichita, KS 67202

Ganoung B #3

Job Ticket: 55764

DST#: 2

ATTN: Chuck Schmaltz

Test Start: 2013.10.29 @ 16:54:00

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:

bbbl

Water Loss: 7.98 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3500.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	M, 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0

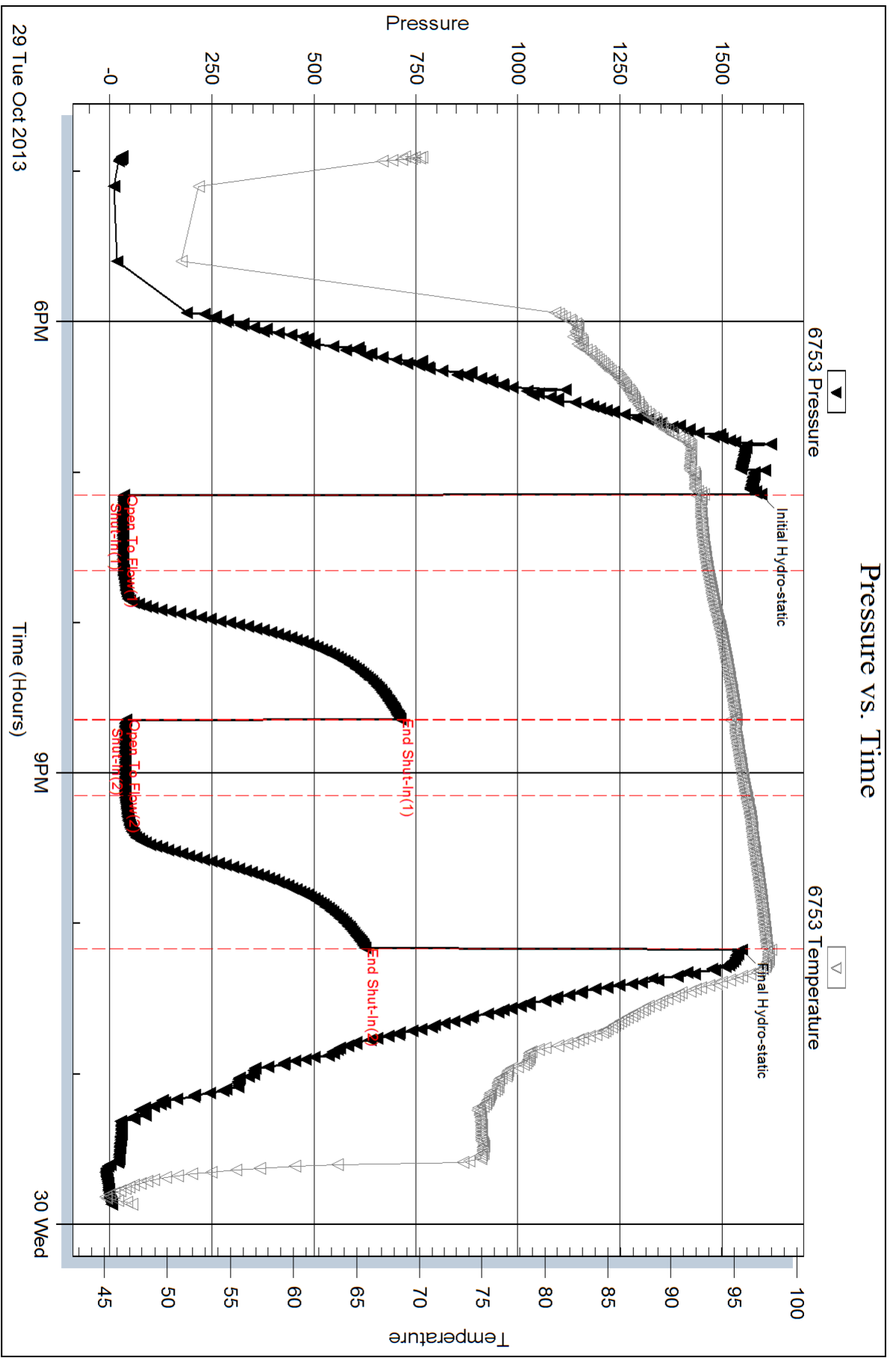
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



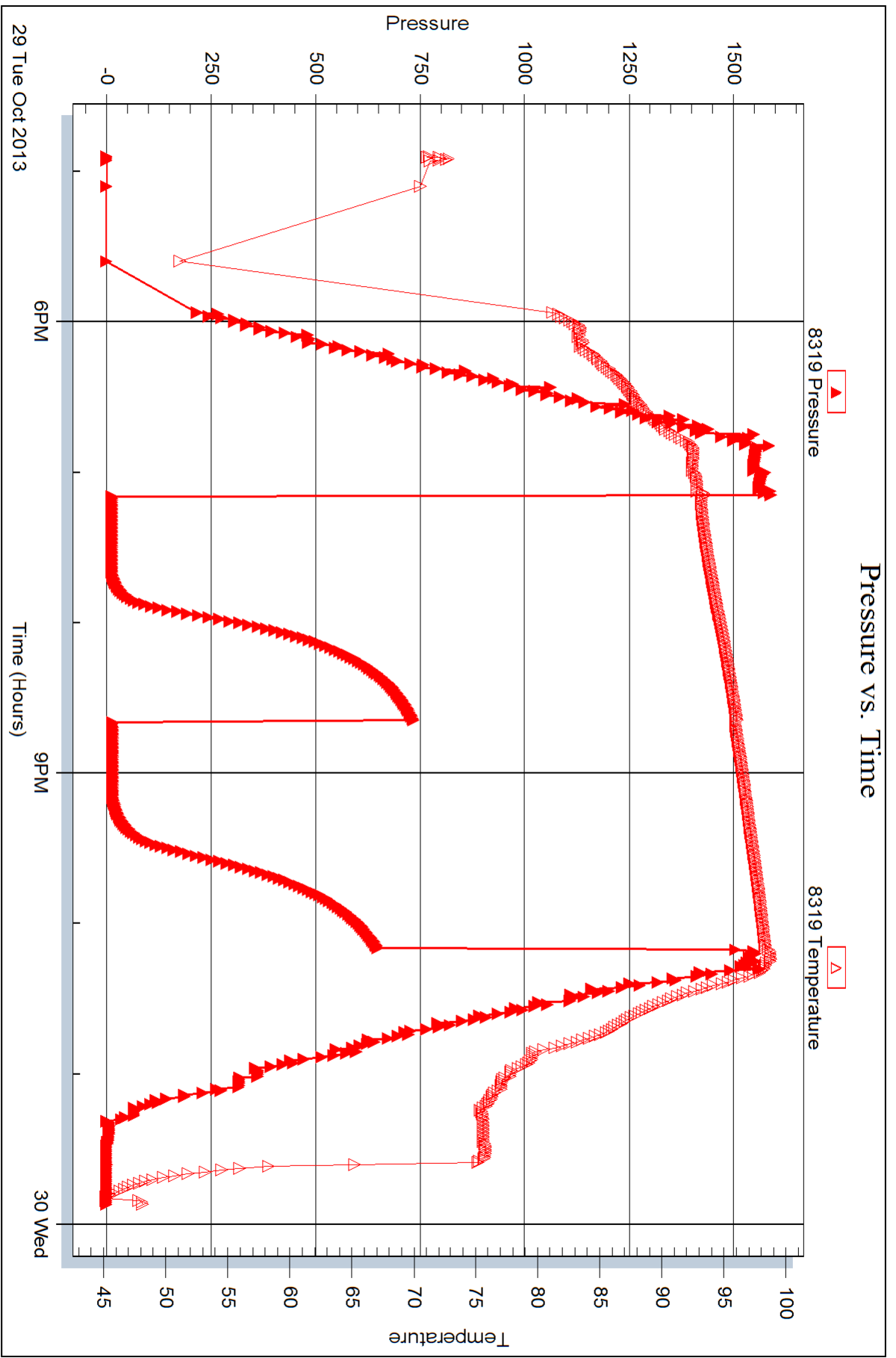
Serial #: 8319

Inside

Gore Oil Co.

Ganoung B#3

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 55764

Printed: 2013.11.01 @ 09:24:38



DRILL STEM TEST REPORT

Prepared For: **Gore Oil Co.**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmaltz

Ganoung B #3

32-9s-17w Rooks,KS

Start Date: 2013.10.30 @ 09:13:17

End Date: 2013.10.30 @ 17:58:47

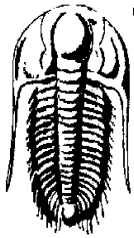
Job Ticket #: 55765 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.01 @ 09:23:46



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

32-9s-17w Rooks,KS
Ganoung B #3
Job Ticket: 55765 **DST#: 3**
Test Start: 2013.10.30 @ 09:13:17

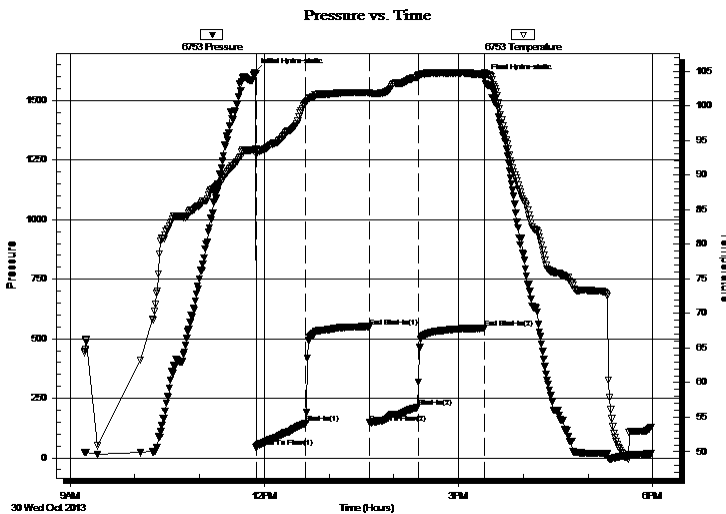
GENERAL INFORMATION:

Formation: **Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:52:17
Time Test Ended: 17:58:47
Interval: **3338.00 ft (KB) To 3396.00 ft (KB) (TVD)**
Total Depth: 3396.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan L
Unit No: 59
Reference Elevations: 2102.00 ft (KB)
2094.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6753 Outside
Press @ Run Depth: 214.21 psig @ 3360.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.10.30 End Date: 2013.10.30 Last Calib.: 2013.10.30
Start Time: 09:13:22 End Time: 17:58:47 Time On Btm: 2013.10.30 @ 11:51:02
Time Off Btm: 2013.10.30 @ 15:24:02

TEST COMMENT: 45- IF- BOB 10 mins
60- ISI- Built to 3 1/2"
45- FF- BOB 10 mins
60- FSI- Built to 1"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1617.35	93.67	Initial Hydro-static
2	43.33	92.88	Open To Flow (1)
48	145.97	100.46	Shut-In(1)
107	550.97	101.91	End Shut-In(1)
107	147.46	101.76	Open To Flow (2)
152	214.21	104.26	Shut-In(2)
213	543.85	104.49	End Shut-In(2)
213	1590.23	104.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
95.00	GO, 15%G 85%O	1.03
125.00	GOCM, 10%G 10%O 80%M	1.71
190.00	MW, 10%M 90%W	2.60
0.00	285' GIP	0.00

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.

32-9s-17w Rooks, KS

PO Box 2757
Wichita, KS 67202

Ganoung B #3

Job Ticket: 55765

DST#: 3

ATTN: Chuck Schmaltz

Test Start: 2013.10.30 @ 09:13:17

Tool Information

Drill Pipe:	Length: 3317.00 ft	Diameter: 3.75 inches	Volume: 45.31 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 58000.00 lb
Depth to Top Packer:	3338.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 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			3319.00	
Shut In Tool	5.00			3324.00	
Hydraulic tool	5.00			3329.00	
Packer	5.00			3334.00	20.00 Bottom Of Top Packer
Packer	4.00			3338.00	
Stubb	1.00			3339.00	
Perforations	21.00			3360.00	
Recorder	0.00	8319	Inside	3360.00	
Recorder	0.00	6753	Outside	3360.00	
Change Over Sub	1.00			3361.00	
Drill Pipe	31.00			3392.00	
Change Over Sub	1.00			3393.00	
Bullnose	3.00			3396.00	58.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

32-9s-17w Rooks,KS
Ganoung B #3
Job Ticket: 55765 **DST#: 3**
Test Start: 2013.10.30 @ 09:13:17

Mud and Cushion Information

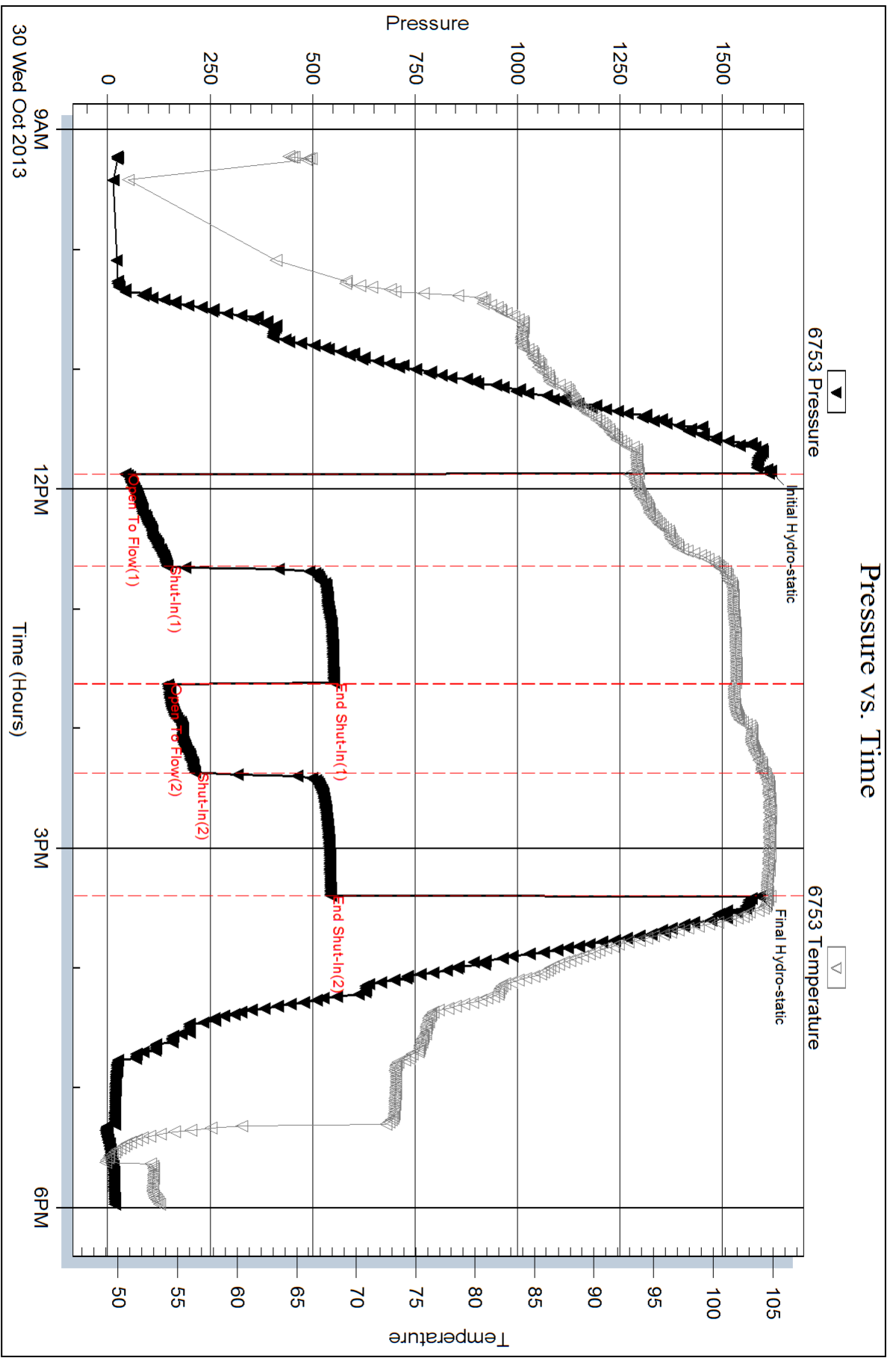
Mud Type: Gel Chem	Cushion Type:	Oil API: 35 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 65000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.37 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 3500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	GO, 15%G 85%O	1.027
125.00	GOCM, 10%G 10%O 80%M	1.708
190.00	MW, 10%M 90%W	2.596
0.00	285' GIP	0.000

Total Length: 410.00 ft Total Volume: 5.331 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



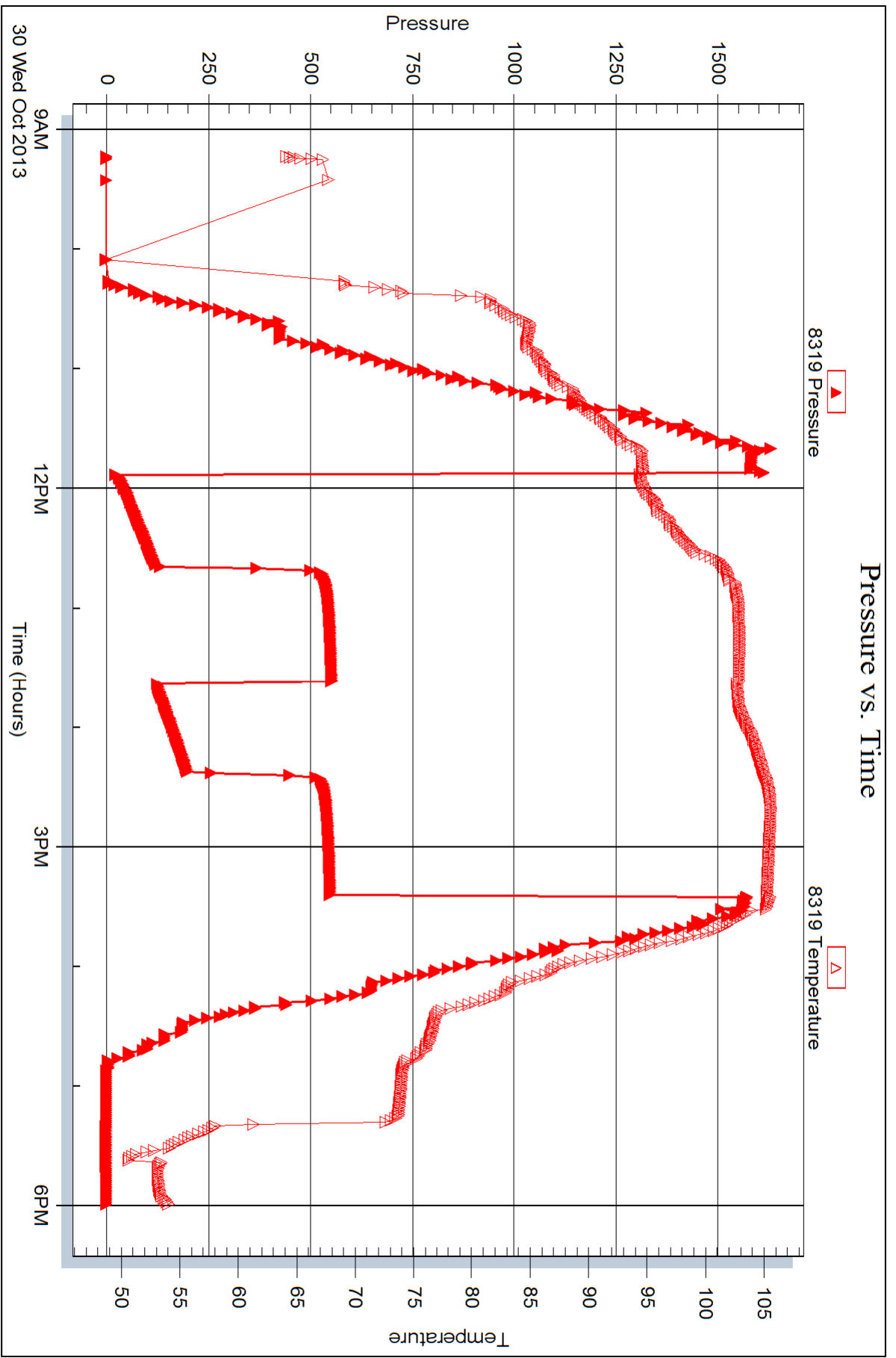
Serial #: 8319

Inside

Gore Oil Co.

Ganoung B#3

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Gore Oil Co.**

PO Box 2757
Wichita, KS 67202

ATTN: Chuck Schmaltz

Ganoung B #3

32-9s-17w Rooks,KS

Start Date: 2013.10.31 @ 03:48:27

End Date: 2013.10.31 @ 12:00:42

Job Ticket #: 55766 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.11.01 @ 09:19:42

Gore Oil Co.
32-9s-17w Rooks,KS
Ganoung B #3
DST # 4
KC
2013.10.31



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

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

32-9s-17w Rooks,KS
Ganoung B #3
 Job Ticket: 55766 **DST#: 4**
 Test Start: 2013.10.31 @ 03:48:27

GENERAL INFORMATION:

Formation: **KC**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:32:27
 Time Test Ended: 12:00:42
 Interval: **3391.00 ft (KB) To 3500.00 ft (KB) (TVD)**
 Total Depth: 3310.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan L
 Unit No: 59
 Reference Elevations: 2102.00 ft (KB)
 2094.00 ft (CF)
 KB to GR/CF: 8.00 ft

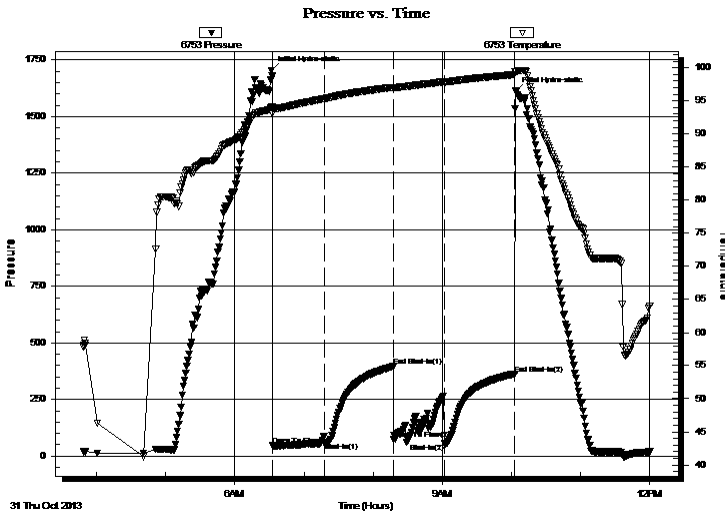
Serial #: 6753

Outside

Press @ Run Depth: 55.67 psig @ 3401.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.31 End Date: 2013.10.31 Last Calib.: 2013.10.31
 Start Time: 03:48:32 End Time: 12:00:41 Time On Btm: 2013.10.31 @ 06:31:27
 Time Off Btm: 2013.10.31 @ 10:03:42

TEST COMMENT: 45- IF- Built to 1" in 5 mins and maintained throughout
 60- IS- No blow
 45- FF- No blow
 60- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1703.59	94.03	Initial Hydro-static
1	47.00	93.08	Open To Flow (1)
46	59.15	95.34	Shut-In(1)
106	396.02	97.04	End Shut-In(1)
106	72.56	96.83	Open To Flow (2)
151	55.67	97.79	Shut-In(2)
212	362.99	98.98	End Shut-In(2)
213	1611.97	99.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Mw / show of oil, 100%M	0.28

* Recovery from multiple tests

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

32-9s-17w Rooks,KS
Ganoung B #3
Job Ticket: 55766 **DST#: 4**
Test Start: 2013.10.31 @ 03:48:27

Tool Information

Drill Pipe:	Length: 3349.00 ft	Diameter: 3.75 inches	Volume: 45.75 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose:	61000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial	59000.00 lb
Depth to Top Packer:	3391.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	109.00 ft				
Tool Length:	129.00 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			3372.00	
Shut In Tool	5.00			3377.00	
Hydraulic tool	5.00			3382.00	
Packer	5.00			3387.00	20.00 Bottom Of Top Packer
Packer	4.00			3391.00	
Stubb	1.00			3392.00	
Perforations	9.00			3401.00	
Recorder	0.00	8319	Inside	3401.00	
Recorder	0.00	6753	Outside	3401.00	
Change Over Sub	1.00			3402.00	
Drill Pipe	94.00			3496.00	
Change Over Sub	1.00			3497.00	
Bullnose	3.00			3500.00	109.00 Bottom Packers & Anchor

Total Tool Length: 129.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

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

32-9s-17w Rooks,KS
Ganoung B #3
Job Ticket: 55766 **DST#: 4**
Test Start: 2013.10.31 @ 03:48:27

Mud and Cushion Information

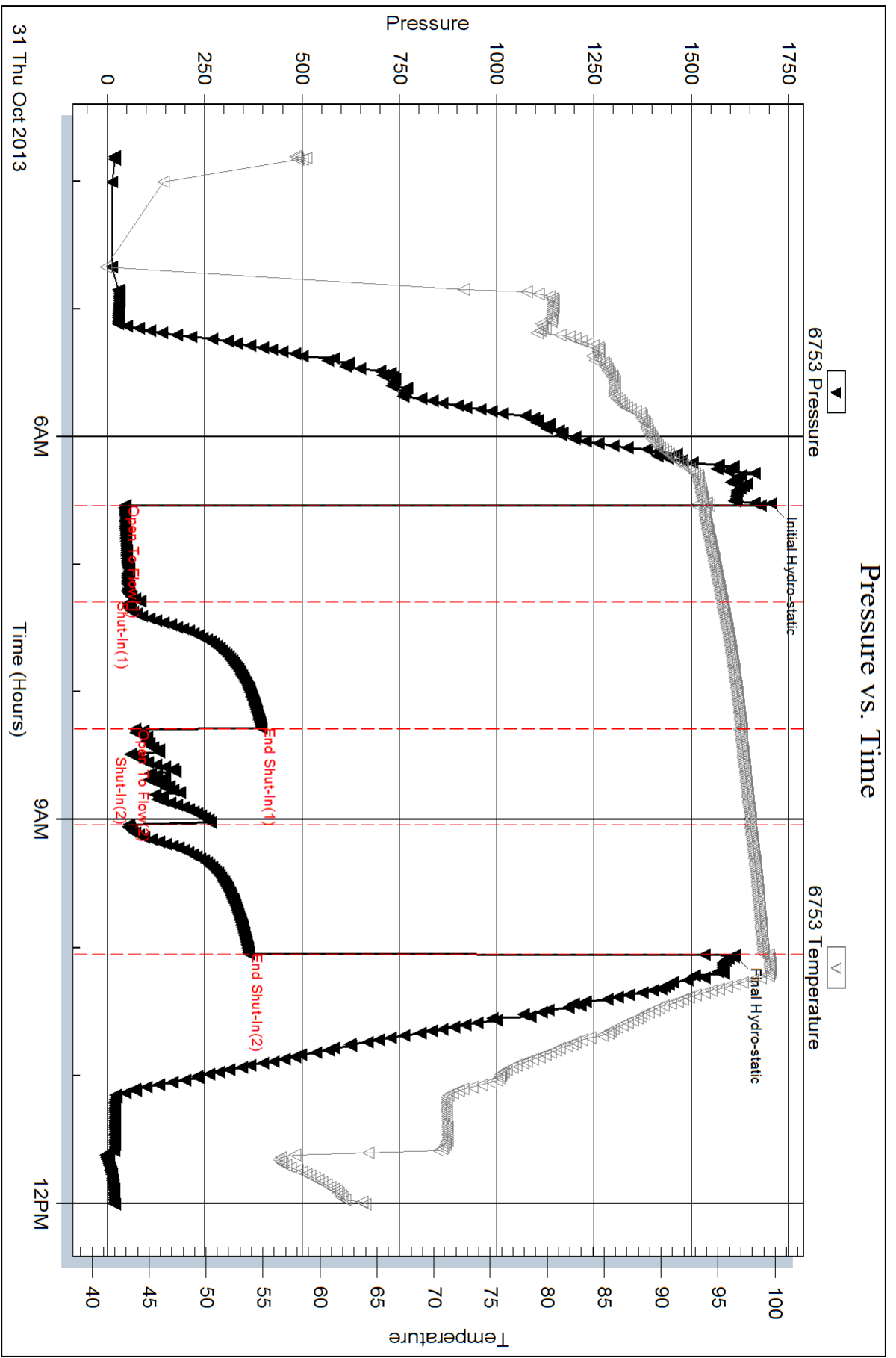
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Mw / show of oil, 100%M	0.275

Total Length: 40.00 ft Total Volume: 0.275 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



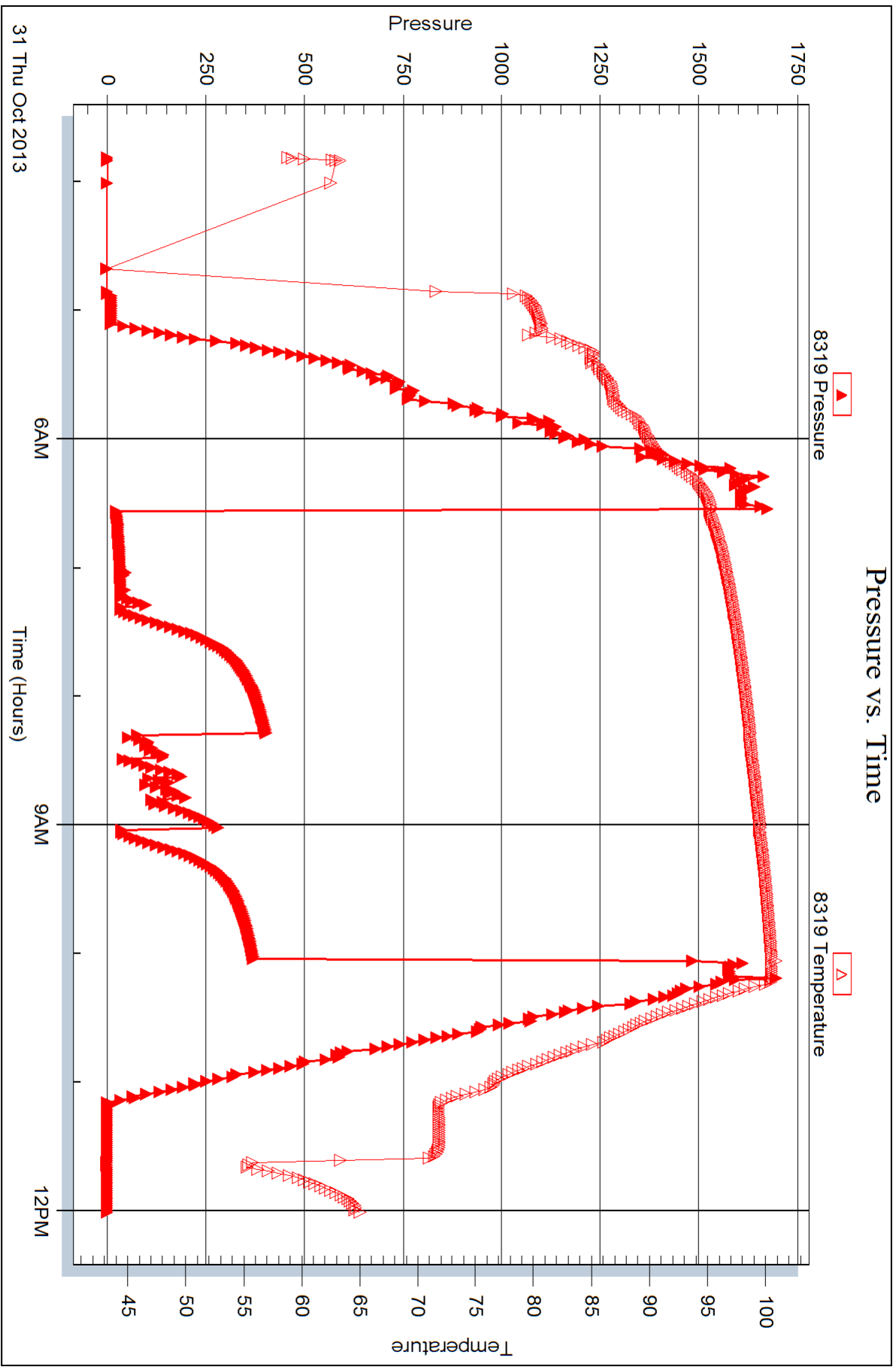
Serial #: 8319

Inside

Gore Oil Co.

Ganoung B#3

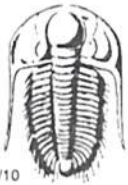
DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 55766

Printed: 2013.11.01 @ 09:19:43



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55763

Well Name & No. Gardening B #3 Test No. 1 Date 10/28/13
 Company Gore Oil Co. Elevation 2102 KB 2094 GL
 Address 202 S. St. Francis PO Box 2257 Wichita, KS 67202
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick #108
 Location: Sec. 32 Twp. 9 S Rge. 17 W Co. Rooks State KS

Interval Tested 3226 - 3310 Zone Tested Lansing
 Anchor Length 84' Drill Pipe Run 3194 Mud Wt. 8.8
 Top Packer Depth 3221 Drill Collars Run 31 Vis 51
 Bottom Packer Depth 3226 Wt. Pipe Run _____ WL 8.4
 Total Depth 3310 Chlorides 3500 ppm System LCM 2#

Blow Description IF - Built to 2.5"
FSI - No blow
FE - Built to 1"
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>75</u>	<u>WCM</u>			<u>20</u>	<u>80</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

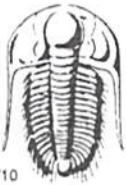
Rec Total 75 BHT 100° Gravity _____ API RW .5 @ 53 °F Chlorides 18000 ppm

(A) Initial Hydrostatic 1562 Test 1150 T-On Location 2115
 (B) First Initial Flow 51 Jars _____ T-Started 2246
 (C) First Final Flow 70 Safety Joint _____ T-Open 0311
 (D) Initial Shut-In 855 Circ Sub _____ T-Pulled 0644
 (E) Second Initial Flow 71 Hourly Standby _____ T-Out 0927
 (F) Second Final Flow 84 Mileage CG RT 102.30
 (G) Final Shut-In 841 Sampler _____
 (H) Final Hydrostatic 1495 Straddle _____

Initial Open 45 Ruined Shale Packer _____
 Initial Shut-In 60 Ruined Packer _____
 Final Flow 45 Extra Packer _____
 Final Shut-In 60 Extra Recorder _____
 Sub Total 0
 Total 1252.30
 MP/DST Disc't _____
 Sub Total 1252.30

Approved By _____ Our Representative Bannon L

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. 55764

Well Name & No. Ganong B#3 Test No. 2 Date 10/29/13
 Company Gore Oil Co. Elevation 2102 KB 2094 GL
 Address 202 S. St. Francis PO Box 2757 Wichita, KS 67202
 Co. Rep / Geo. Chuck Schmalz Rig Maverick 108
 Location: Sec. 32 Twp. 9s Rge. 17w Co. Rooks State KS

Interval Tested 3312-3336 Zone Tested Lansing
 Anchor Length 24' Drill Pipe Run 3285 Mud Wt. 9.1
 Top Packer Depth 3307 Drill Collars Run 31 Vis 56
 Bottom Packer Depth 3312 Wt. Pipe Run — WL 8.0
 Total Depth 3336 Chlorides 3500 ppm System LCM 3 1/2"

Blow Description IF - Weak surface blow
ISI - No blow
FF - No blow
FSTI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>M</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5' BHT 98° Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1595 Test 1150 T-On Location 1630
 (B) First Initial Flow 36 Jars — T-Started 1654
 (C) First Final Flow 34 Safety Joint — T-Open 1909
 (D) Initial Shut-In 711 Circ Sub — T-Pulled 2209
 (E) Second Initial Flow 40 Hourly Standby — T-Out 2352
 (F) Second Final Flow 39 Mileage 66 RT 102.30
 (G) Final Shut-In 625 Sampler —
 (H) Final Hydrostatic 1548 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 1252.30
 Final Shut-In 60 Accessibility — MP/DST Disc't —
 Sub Total 1252.30

Approved By — Our Representative Brannan L

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. 55765

4/10

Well Name & No. Canonig B#3 Test No. 3 Date 10/30/13
 Company Gore Oil Co. Elevation 2102 KB 2094 GL
 Address 202 S. St. Francis PO Box 2757 Wichita, KS 67202
 Co. Rep / Geo. Chuck Schmaltz Rig Maverick 108
 Location: Sec. 32 Twp. 9s Rge. 17w Co. Rooks State KS

Interval Tested 3338-3396 Zone Tested Lansing
 Anchor Length 58' Drill Pipe Run 3317 Mud Wt. 8.9
 Top Packer Depth 3333 Drill Collars Run 31 Vis 59
 Bottom Packer Depth 3338 Wt. Pipe Run WL 8.0
 Total Depth 3396 Chlorides 3500 ppm System LCM 3 1/2 #

Blow Description IF-BOB 10 mins
FSI-Built to 3.5"
FF-BOB 10 mins
FSI-Built to 1"

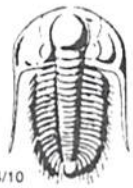
Rec	Feet of	%gas	%oil	%water	%mud
<u>95</u>	<u>60</u>	<u>15</u>	<u>85</u>		
<u>125</u>	<u>60CM</u>	<u>10</u>	<u>10</u>		<u>80</u>
<u>190</u>	<u>MW</u>			<u>90</u>	<u>10</u>
	<u>285' GIP</u>	<u>100</u>			

Rec Total 410' BHT 105° Gravity 35 API RW .15 @ 51 °F Chlorides 65000 ppm

(A) Initial Hydrostatic 1617 Test 1150 T-On Location 0900
 (B) First Initial Flow 43 Jars T-Started 0913
 (C) First Final Flow 146 Safety Joint T-Open 1152
 (D) Initial Shut-In 551 Circ Sub T-Pulled 1522
 (E) Second Initial Flow 147 Hourly Standby T-Out 1758
 (F) Second Final Flow 214 Mileage 66 RT 102.30 Comments
 (G) Final Shut-In 544 Sampler
 (H) Final Hydrostatic 1590 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Initial Open 45 Extra Recorder Sub Total 0
 Initial Shut-In 60 Day Standby Total 1252.30
 Final Flow 45 Accessibility MP/DST Disc't
 Final Shut-In 60 Sub Total 1252.30

Approved By _____ Our Representative Brannan L

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55766

Well Name & No. Ganong B#3 Test No. 4 Date 10/31/13
 Company Gore Oil Co. Elevation 2102 KB 2994 GL
 Address 202 S. St. Francis PO Box 2757 Wichita, KS 67202
 Co. Rep / Geo. Chuck Schmalz Rig Maverick 108
 Location: Sec. 32 Twp. 9s Rge. 17w Co. Rooks State KS

Interval Tested 3391-3500 Zone Tested KC
 Anchor Length 109' Drill Pipe Run 3349 Mud Wt. 8.9
 Top Packer Depth 3386 Drill Collars Run 31 Vis 48
 Bottom Packer Depth 3391 Wt. Pipe Run _____ WL 8.0
 Total Depth 3500 Chlorides 3500 ppm System LCM 2#

Blow Description IF - Built to 1" in 5 mins + maintained blow throughout
ISI - No blow
FF - No blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>40</u>	<u>Feet of NL w/ show of oil</u>				<u>100</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 40' BHT 99° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1704 Test 1150 T-On Location 0324
 (B) First Initial Flow 47 Jars _____ T-Started 0348
 (C) First Final Flow 59 Safety Joint _____ T-Open 0632
 (D) Initial Shut-In 396 Circ Sub _____ T-Pulled 1002
 (E) Second Initial Flow 73 Hourly Standby _____ T-Out 1200
 (F) Second Final Flow 56 Mileage 66 RT x 2 ^{204.60} Comments Loaded tools
 (G) Final Shut-In 363 Sampler _____ 10/31 @ 2000
 (H) Final Hydrostatic 1612 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1354.60
 Accessibility _____ MP/DST Disc't _____

Initial Open 45
 Initial Shut-In 60
 Final Flow 45
 Final Shut-In 60
 Sub Total 1354.60

Approved By _____ Our Representative Brannan L

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.

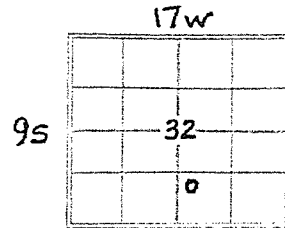
CHARLES SCHMALTZ
CONSULTING GEOLOGIST
WICHITA, KANSAS

**GEOLOGIC
REPORT
LOG**

COMPANY **GORE OIL Co.**
WELL **GANOUNG 'B' #3**
FIELD _____
LOCATION **950' FSL, 2310' FWL**
SEC **32** T12SP **9s** R9E **17w**
COUNTY **ROOKS**
STATE **KANSAS**

MUD SUPPLY **ANDY'S MUD**
CONTRACTOR **MAVERICK DRLG Co. RIG #108**
COMPLETED **24 Oct 2013** COMPLETION _____

CASING RECORD:
SIZE **8 5/8 @ 264'** PROVISIONS _____
TOTAL DEPTH FMS **3600'**
TOTAL DEPTH LOG **3599'**



PRODUCTION: _____
ELEVATION: _____
AS **2102**
RF _____
RL **2094**

PLUGS NOTED FROM _____
SAMPLES SHOWN FROM **2900'** TO **TD**
BELLING LOG KEPT FROM **2900'** TO **TD**
SAMPLES SHOWN FROM **2900'** TO **TD**
CORRECTION FACTOR FROM **2873'** TO **TD** BY _____
WELL TESTS **TRILOBITE TESTING Co.**
ELECTRICAL SERVICES **PIONEER LOGGING**
DUAL INDUCTION
Microlog
CN-CD/SONIC

FORMATION TOPS & STRUCTURAL POSITIONS

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATUM	STRUCTURAL POSITION
ANHYDRITE - Top	1370	1372	+730	-6
- BASE	1409	1408	+694	-2
TOPEKA	3015	3012	-910	0
HEEBNER SH.	3230	3228	-1126	+2
TORONTO	3245	3243	-1141	+1
LANSING	3268	3266	-1164	+2
BKC	3500	3501	-1399	-1
MARMATON	3516	3518	-1416	+2
CONGLOMERATE	3564	3562	-1460	+12
ARBuckle	3584	3578	-1476	NA
TOTAL DEPTH	3600	3599	-1497	

REFERENCE WELL FOR STRUCTURE **GORE OIL Co. GANOUNG 'B' #2**
850' FSL, 1650' FWL Sec 3-9s-17w Rooks Cty, KS

DRILL STEM TESTS

No.	Interval	FP/Tips	EP/Tips	FP/Tips	FSP/Tips	USI-RTI	REMARKS
1	3226-3310	51[#]-70[#]	855[#]	71[#]-84[#]	841[#]	1562[#]-1495[#]	75' WCM
2	3312-3336	36[#]-34[#]	711[#]	40[#]-39[#]	625[#]	1595[#]-1548[#]	5' MUD
3	3338-3396	43[#]-146[#]	551[#]	147[#]-214[#]	544[#]	1617[#]-1595[#]	285' GIP 95' CGO, 125' GOCM 190' MW
4	2391-3500	43[#]-59[#]	396[#]	73[#]-56[#]	363[#]	1704[#]-1612[#]	40' MUD W/ SCUM OF OIL (PLUGGING FFP)

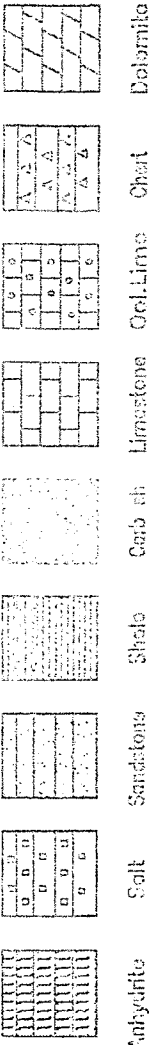
BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	12 1/4			265'	265'	
2	7 7/8	JZ	ENP0123	3600'	3335'	86 1/4

PIPE STRAPS & DEV. SURVEYS

DAILY PENETRATION		MUD RECORD											
DATE	DEPTH	MUD TYPE				FOUR SECS				SPGR			
		NO	ONE	TWO	AGILITY	W	VS	EL	LD	FI	CS	LSA	CL
10-24	MIRT												
10-25	265'												
10-26	1380'												
10-27	2305'												
10-28	3080'												
10-29	3310'												
10-30	3396'												
10-31	3500'												

LEGEND



LEGEND

Anhydrite
 Salt
 Sandstone
 Shale
 Calc. sh. Limestone
 Gell. Lime
 Chert
 Dolomite

DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2900	[Lithology pattern]	ls: grey, brown, mottled, fn-med xthn, sli, fass, dense, w/shade grey, sli, mica.		
10	[Lithology pattern]	ls: off wh, tan, grey, fn; med xthn, sli, fass, sli. calcitic, no vis φ, no show		
20	[Lithology pattern]	ls: off wh, tan, brown, v. fn, med xthn, sli, fass, grey, fn, med xthn, mottled, no vis φ, no show. Shale: grey, grey-green, silty in part.		
30	[Lithology pattern]	shale: grey, grey-green, some calc, few pcs silty		
40	[Lithology pattern]	ls: tan, brown, grey, fn, med xthn, mottled in part, v. sli, fass, no vis φ, no show		
2950	[Lithology pattern]	sh: lt. grey, grey, grey-green, sli, silty mica, ss: v. fr. grained, lt. grey, sli. calc, shaly in part, fr. in grained φ, no show; ls: brown, tan, fn, med xthn		
60	[Lithology pattern]	sh: lt. grey, grey, micaceous, silty		
70	[Lithology pattern]	fr. ss: lt. grey, v. fr. grained, sli, calc, shaly in part, fr. in grained φ, no show; calc, stain of part		
80	[Lithology pattern]	sh: lt. grey, grey, silty → ss: as above, no show		
90	[Lithology pattern]	ls: tan, brown, fn, med xthn, sli, fass, no vis φ, no show; mottled, no vis φ, no show		
3000	[Lithology pattern]	ls: as above, with shale, grey, lt. grey mica, silty, few pcs lt. grey, v. fr. grained		
10	[Lithology pattern]	ss, mica, shaly in part, friable, no vis φ, no show		
20	[Lithology pattern]	sh: lt. grey, grey, silty, mica.		
30	[Lithology pattern]	ls: tan, brown, fn, med xthn, sli, fass, grey, v. fn, med xthn, no vis φ, no		
40	[Lithology pattern]	ls: tan, brown, grey - brown, v. fn, some med xthn, fass (fusulinids) no vis φ, no show		
3050	[Lithology pattern]	ls: as above, v. fn, fn xthn, fass, no vis φ, no show		
60	[Lithology pattern]	ls: tan, brown, brown, grey, v. fn, med xthn, sli, fass, no vis φ, no show		
70	[Lithology pattern]	sh: dk. grey, black		
80	[Lithology pattern]	ls: brown, grey, fn, med xthn, some mottled, no vis φ, no show		
90	[Lithology pattern]	ls: tan, lt. brown, fn, med xthn, sli, fass, ss, calc included calcite, ss, pr. mineral φ & fr. pr. vuggy φ, no stain, floor cut or odor		
3100	[Lithology pattern]	ls: tan, brown, grey, fn, med xthn, fass, mottled, no vis φ, n.s.		
10	[Lithology pattern]	ls: brown, grey, fn, med xthn, fass, no vis φ, n.s. ls: grey, mica v. friable, dense		
20	[Lithology pattern]	ls: tan, brown, grey, fn, med xthn, fass, calc, pos. dolomitic, fr. pr. inter xthn φ, no show		
		ls: as above, becoming soft, sli. shaly, few pcs dolomitic, as above, no show w/ shale: lt. dk. grey		
		ls: tan, lt. brown, fn, med xthn, sli, fass, sli. calcitic, ss, calcite cement, no show		

TOPEKA
3015 (-913)

DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration (Dps/ft)

