

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1326156
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: _____

1326156

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: Yes No

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	CHESNEY UNIT 406
Doc ID	1326156

All Electric Logs Run

Computer Processed Interpretation
Dual Receiver Cement Bond Log
Dual Induction Log
Microresistivity Log
Dual Comp Porosity Log

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	CHESNEY UNIT 406
Doc ID	1326156

Tops

Name	Top	Datum
Anhydrite	1237	+723
B/Anhydrite	1276	+684
Topeka	2812	-852
Oread	2974	-1014
Heebner	3027	-1067
Toronto	3046	-1086
Lansing	3068	-1108
BKC	3316	-1356
Arbuckle	3386	-1426



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Gore Oil Company
 202 S.St. Francis
 PO Box 2757
 Wichita Ks 67202-4518
 ATTN: Pat Canaday, Chuck Sc

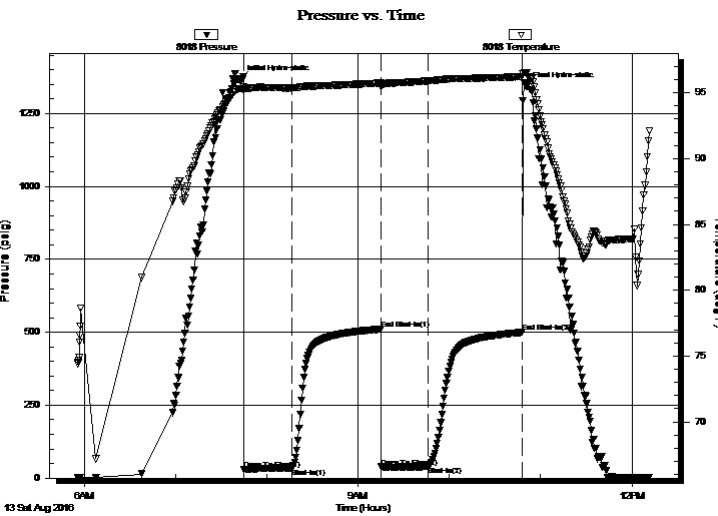
12-8s-17w Rooks
Chesney Unit #406
 Job Ticket: 63060 **DST#: 1**
 Test Start: 2016.08.13 @ 05:55:58

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:45:08
 Time Test Ended: 12:11:52
 Interval: **2822.00 ft (KB) To 2855.00 ft (KB) (TVD)**
 Total Depth: 2855.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1960.00 ft (KB)
 1952.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 39.36 psig @ 2827.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.13 End Date: 2016.08.13 Last Calib.: 2016.08.13
 Start Time: 05:55:58 End Time: 12:11:52 Time On Btm: 2016.08.13 @ 07:43:08
 Time Off Btm: 2016.08.13 @ 10:50:52

TEST COMMENT: 30-IFP-w k bl thru-out 1/2" to 1 1/4" bl
 60-ISIP-no bl
 30-FFP-no bl
 60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1367.53	95.31	Initial Hydro-static
2	29.84	95.16	Open To Flow (1)
34	35.08	95.37	Shut-In(1)
92	510.39	95.75	End Shut-In(1)
93	38.29	95.46	Open To Flow (2)
123	39.36	95.90	Shut-In(2)
185	499.47	96.23	End Shut-In(2)
188	1342.84	96.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud w/show of oil	0.15

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S.St. Francis
 PO Box 2757
 Wichita Ks 67202-4518
 ATTN: Pat Canaday, Chuck Sc

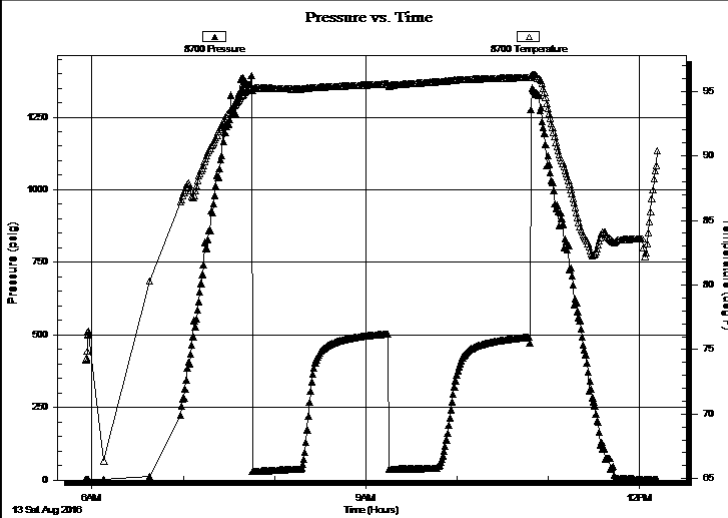
12-8s-17w Rooks
Chesney Unit #406
 Job Ticket: 63060 **DST#: 1**
 Test Start: 2016.08.13 @ 05:55:58

GENERAL INFORMATION:

Formation: **Topeka**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 07:45:08
 Time Test Ended: 12:11:52
 Interval: **2822.00 ft (KB) To 2855.00 ft (KB) (TVD)**
 Total Depth: 2855.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1960.00 ft (KB)
 1952.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8700 Outside
 Press@RunDepth: psig @ 2827.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.13 End Date: 2016.08.13 Last Calib.: 2016.08.13
 Start Time: 05:56:03 End Time: 12:11:42 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k bl thru-out 1/2" to 1 1/4" bl
 60-ISIP-no bl
 30-FFP-no bl
 60-FSIP-no bl



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

Recovery		
Length (ft)	Description	Volume (bbl)
30.00	Mud w/show of oil	0.15

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

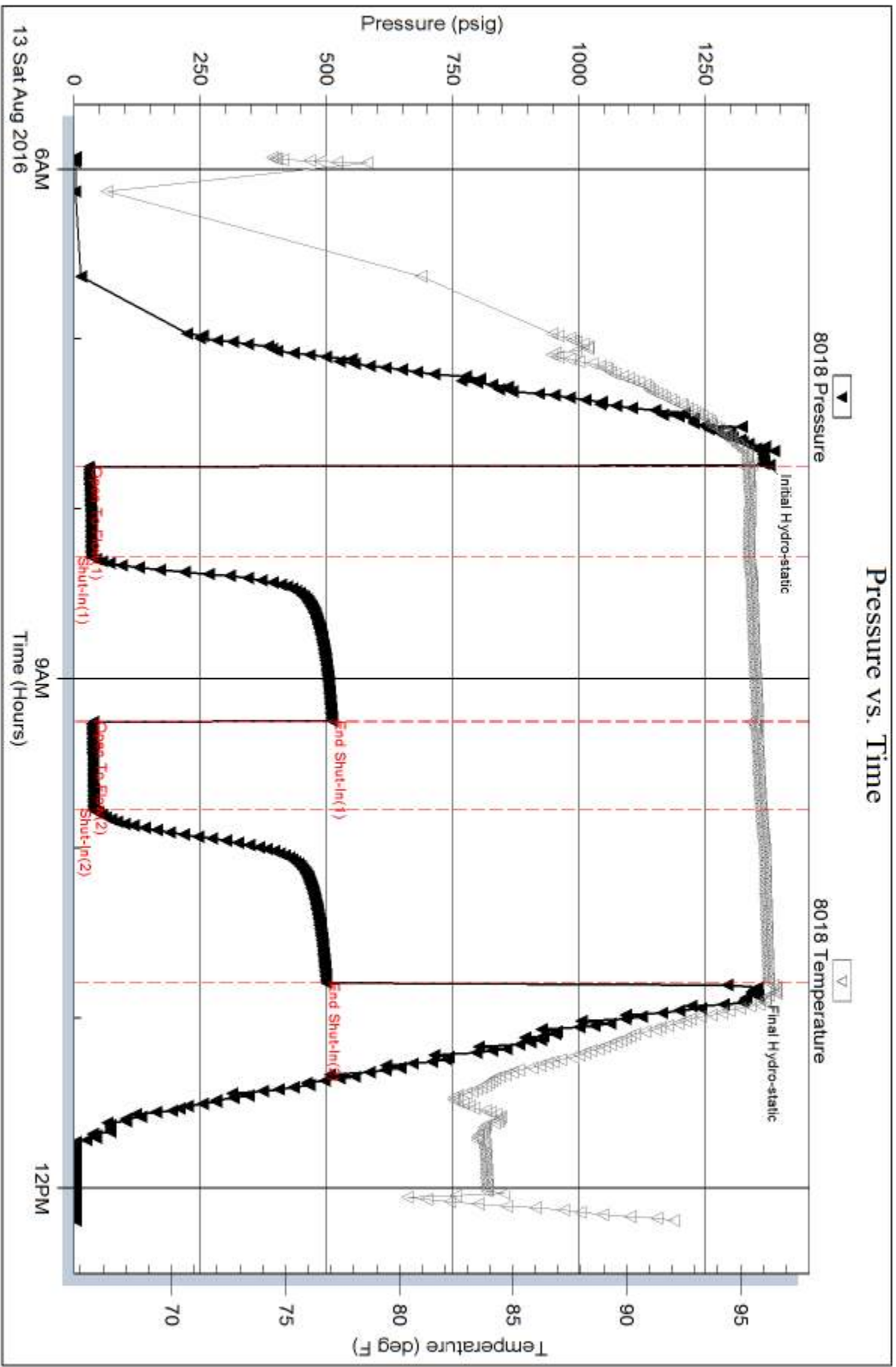
Serial #: 8018

Inside

Gore Oil Company

Chesney Unit #406

DST Test Number: 1



Tribble Testing, Inc

Ref. No: 63060

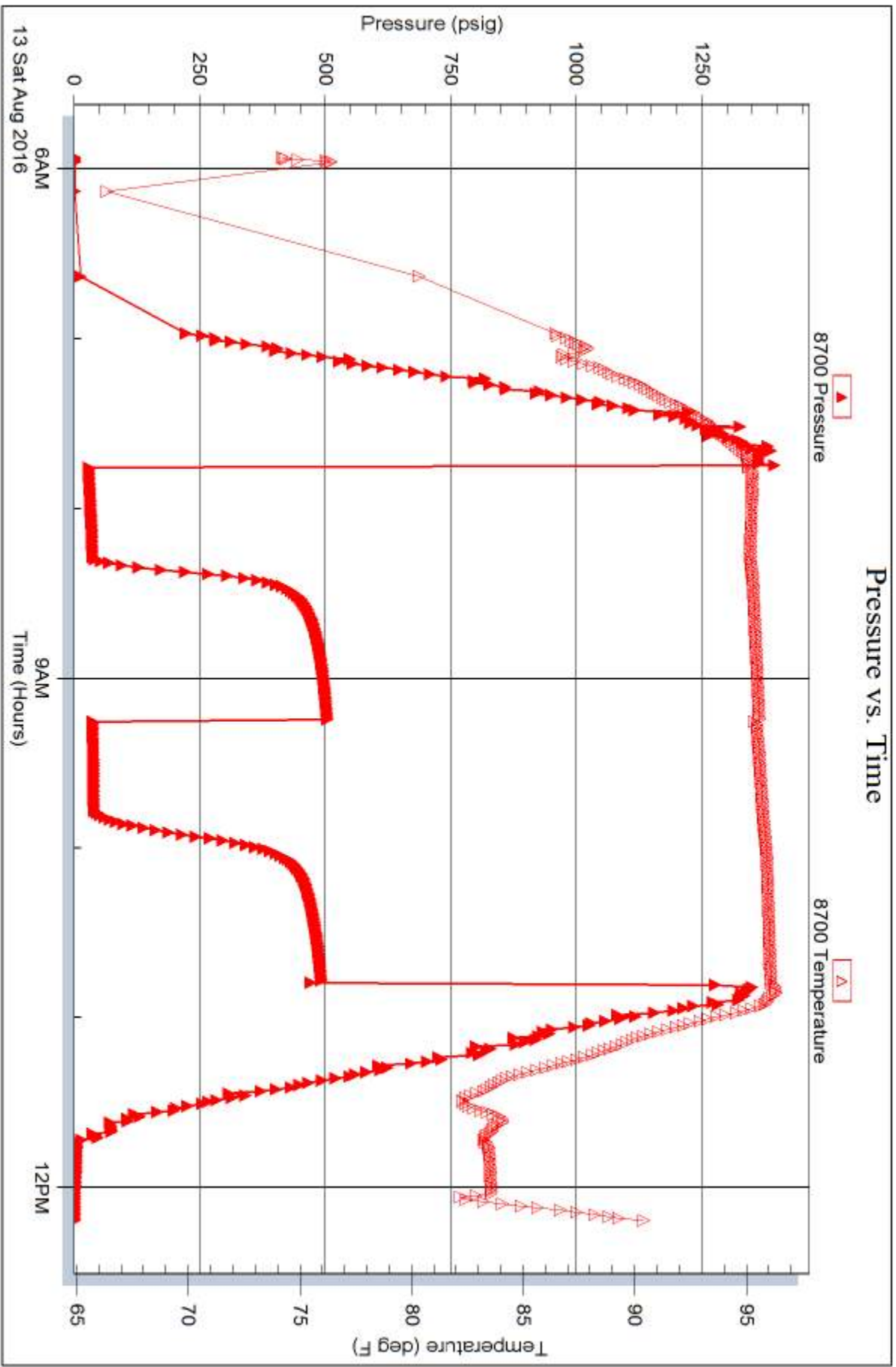
Printed: 2016.08.13 @ 18:16:52

Serial #: 8700

Outside Gore Oil Company

Chesney Unit #406

DST Test Number: 1

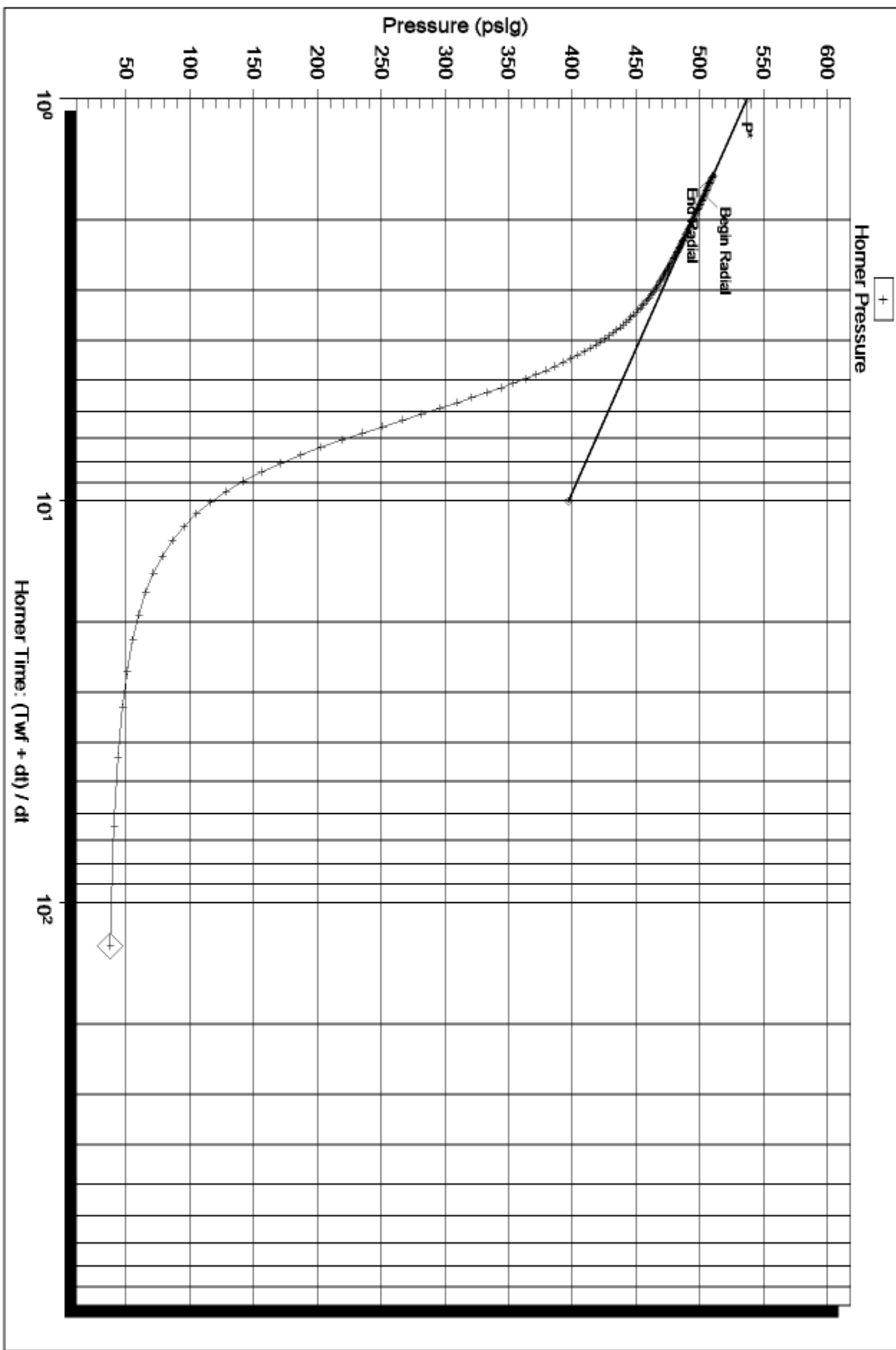


Trilobite Testing, Inc

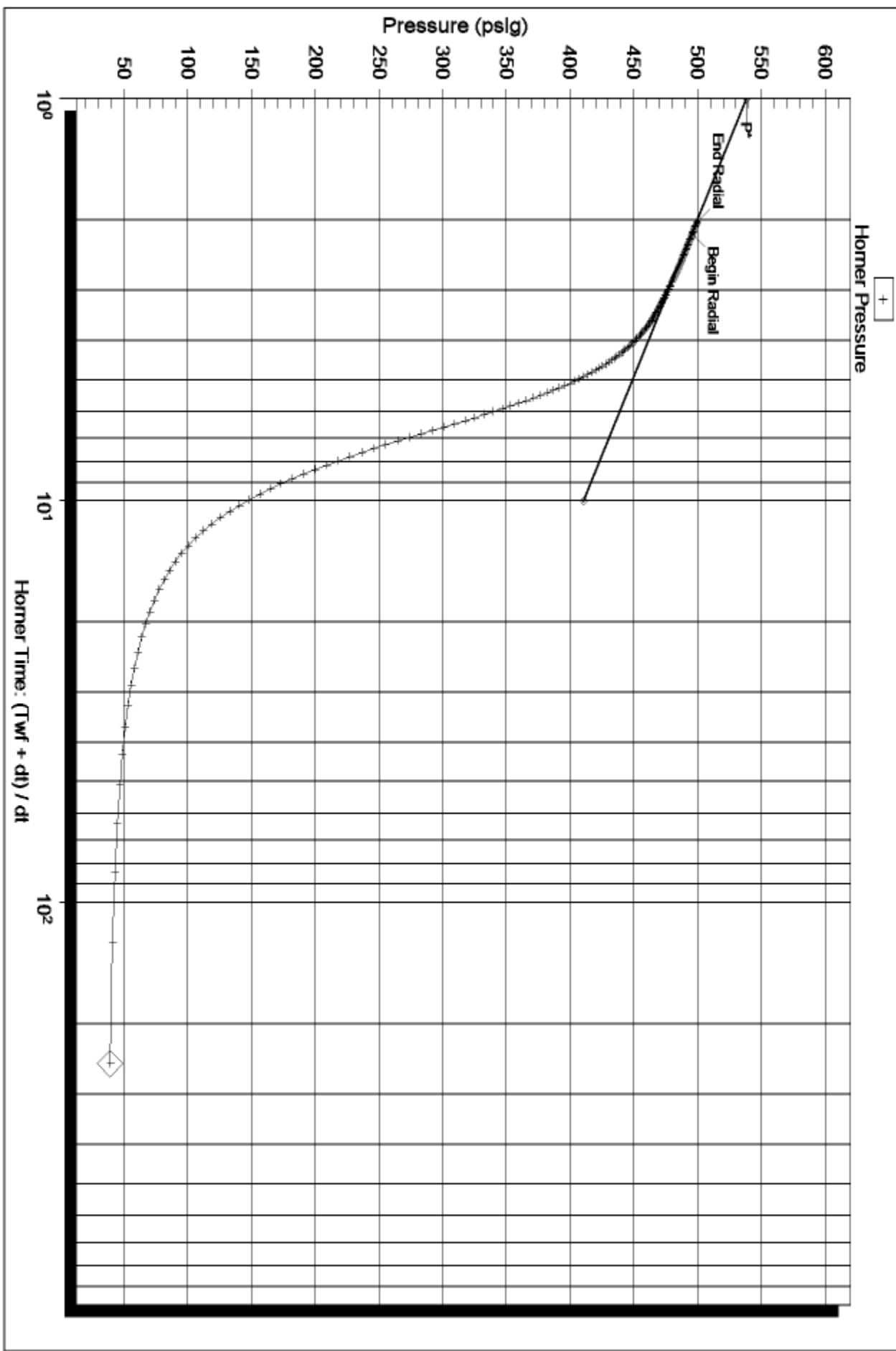
Ref. No: 63060

Printed: 2016.08.13 @ 18:16:52

Horner Plot



Horner Plot



Serial Number: 8018 (Inside)

P* : 538.49

Slope (m) : 127.63 kpa/log cycle

Flow Cycle: 2



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S.St. Francis
 PO Box 2757
 Wichita Ks 67202-4518
 ATTN: Pat Canaday, Chuck Sc

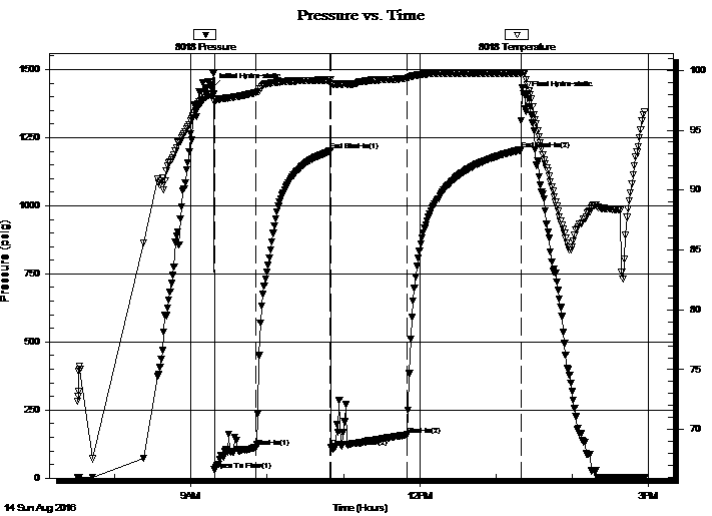
12-8s-17w Rooks
Chesney Unit #406
 Job Ticket: 63061 **DST#: 2**
 Test Start: 2016.08.14 @ 07:31:02

GENERAL INFORMATION:

Formation: **Oread-LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 09:18:27 Tester: Ray Schwager
 Time Test Ended: 14:56:56 Unit No: 77
 Interval: **2968.00 ft (KB) To 3121.00 ft (KB) (TVD)** Reference Elevations: 1960.00 ft (KB)
 Total Depth: 3121.00 ft (KB) (TVD) 1952.00 ft (CF)
 Hole Diameter: 7.85 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 158.81 psig @ 2970.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.14 End Date: 2016.08.14 Last Calib.: 2016.08.14
 Start Time: 07:31:02 End Time: 14:56:56 Time On Btm: 2016.08.14 @ 09:16:57
 Time Off Btm: 2016.08.14 @ 13:22:26

TEST COMMENT: 30-IFP-w k to strg in 21 min
 60-ISIP-vy w k surface bl bk
 60-FFP-w k to strg in 23 min
 90-FSIP-w k bl bk , surface to 3" bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1434.35	97.97	Initial Hydro-static
2	30.24	97.33	Open To Flow (1)
35	112.69	98.13	Shut-In(1)
93	1202.50	99.19	End Shut-In(1)
94	113.42	98.77	Open To Flow (2)
153	158.81	99.33	Shut-In(2)
243	1204.81	99.75	End Shut-In(2)
246	1404.13	99.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	435' GIP	0.00
124.00	O&GCM 10%G15%O75%M	0.65
155.00	HO&GCM 20%G25%O55%M	2.17
35.00	CO	0.49

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
 202 S.St. Francis
 PO Box 2757
 Wichita Ks 67202-4518
 ATTN: Pat Canaday, Chuck Sc

12-8s-17w Rooks
Chesney Unit #406
 Job Ticket: 63061 **DST#: 2**
 Test Start: 2016.08.14 @ 07:31:02

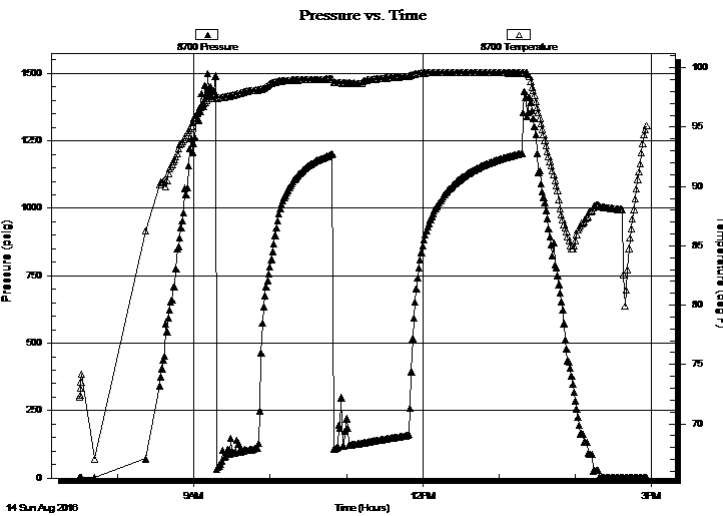
GENERAL INFORMATION:

Formation: **Oread-LKC "C"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 09:18:27
 Time Test Ended: 14:56:56
 Interval: **2968.00 ft (KB) To 3121.00 ft (KB) (TVD)**
 Total Depth: 3121.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1960.00 ft (KB)
 1952.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8700 Outside

Press@RunDepth: psig @ 2970.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.14 End Date: 2016.08.14 Last Calib.: 2016.08.14
 Start Time: 07:30:15 End Time: 14:56:09 Time On Btm:
 Time Off Btm:

TEST COMMENT: 30-IFP-w k to strg in 21 min
 60-ISIP-vy w k surface bl bk
 60-FFP-w k to strg in 23 min
 90-FSIP-w k bl bk , surface to 3" bl



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
0.00	435' GIP	0.00
124.00	O&GCM 10%G15%O75%M	0.65
155.00	HO&GCM 20%G25%O55%M	2.17
35.00	CO	0.49

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company
202 S.St. Francis
PO Box 2757
Wichita Ks 67202-4518
ATTN: Pat Canaday, Chuck Sc

12-8s-17w Rooks
Chesney Unit #406
Job Ticket: 63061 **DST#: 2**
Test Start: 2016.08.14 @ 07:31:02

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 57.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.19 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2100.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	435' GIP	0.000
124.00	O&GCM 10%G15%O75%M	0.646
155.00	HO&GCM 20%G25%O55%M	2.174
35.00	CO	0.491

Total Length: 314.00 ft Total Volume: 3.311 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

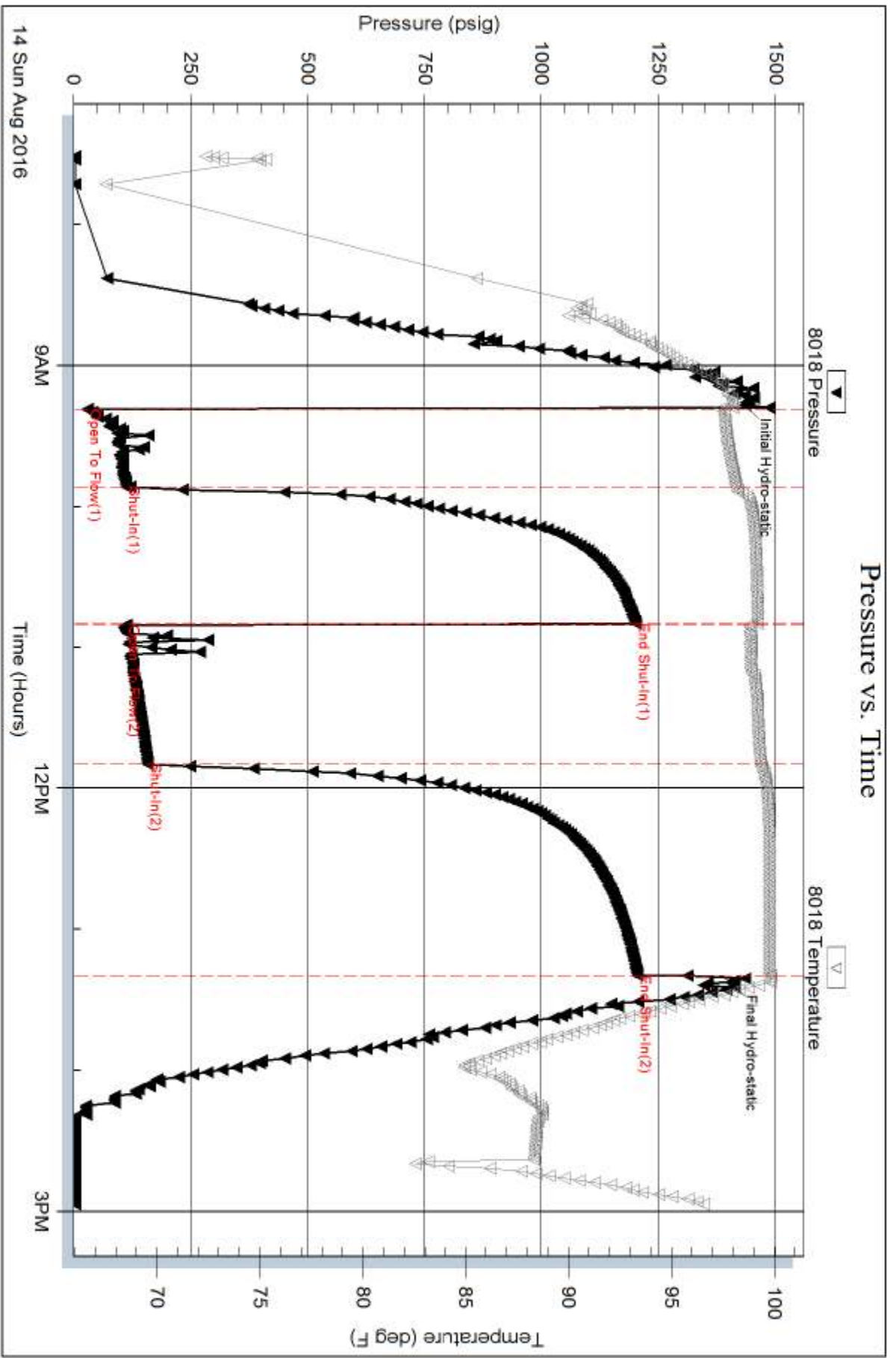
Serial #: 8018

Inside

Gore Oil Company

Chesney Unit #406

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 63061

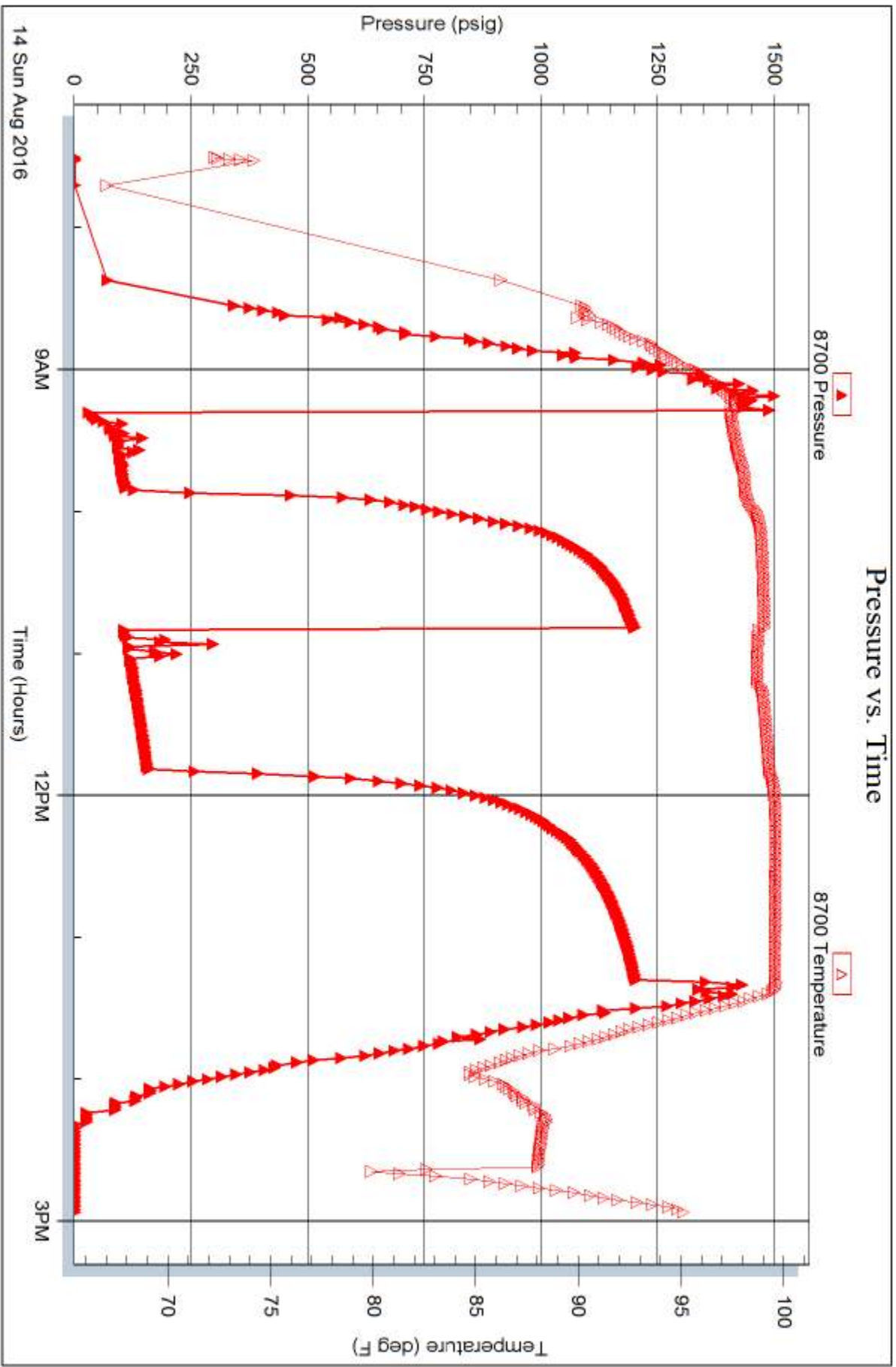
Printed: 2016.08.14 @ 22:07:58

Serial #: 8700

Outside Gore Oil Company

Chesney Unit #406

DST Test Number: 2

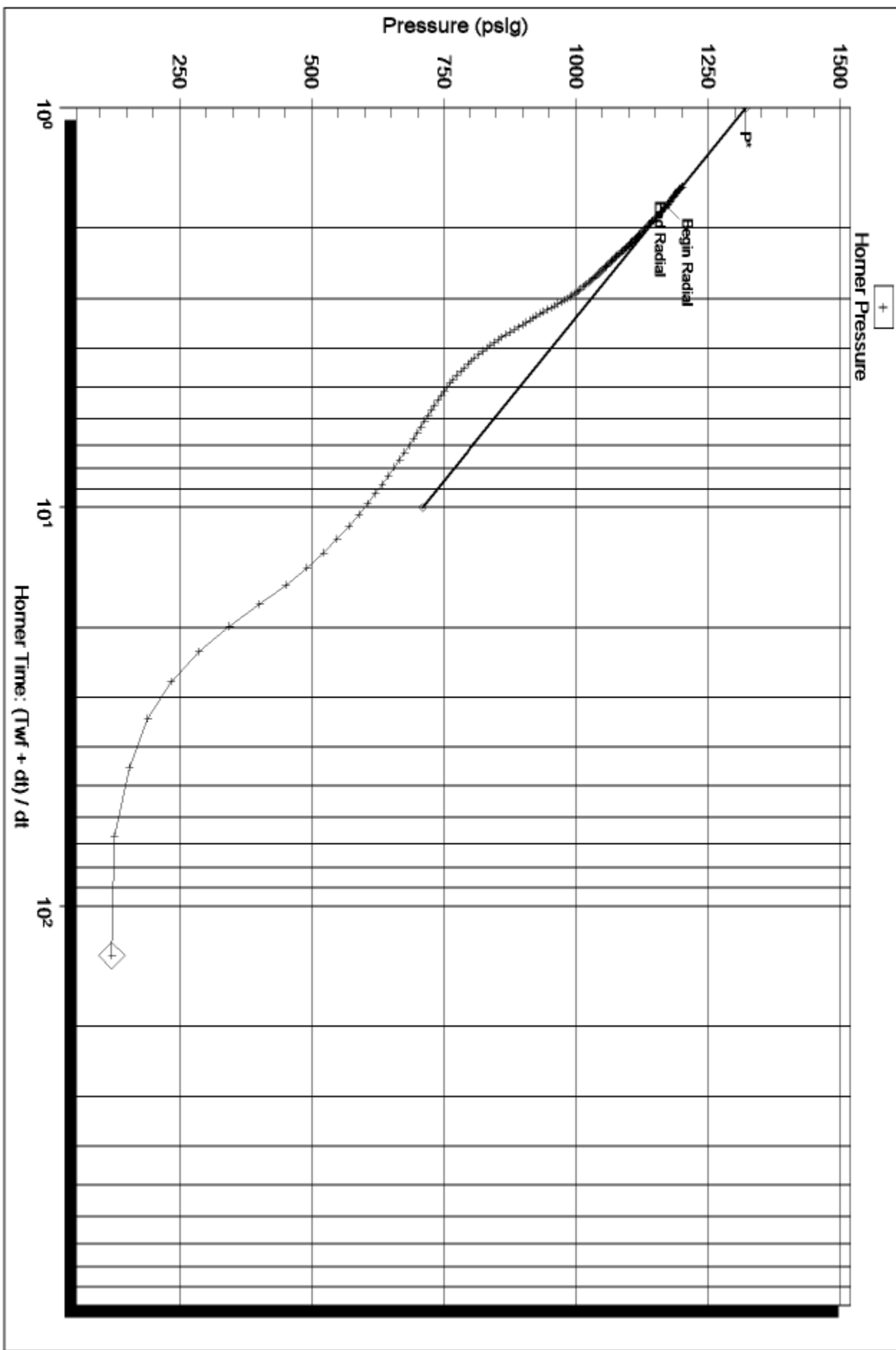


Trilobite Testing, Inc

Ref. No: 63061

Printed: 2016.08.14 @ 22:07:58

Horner Plot



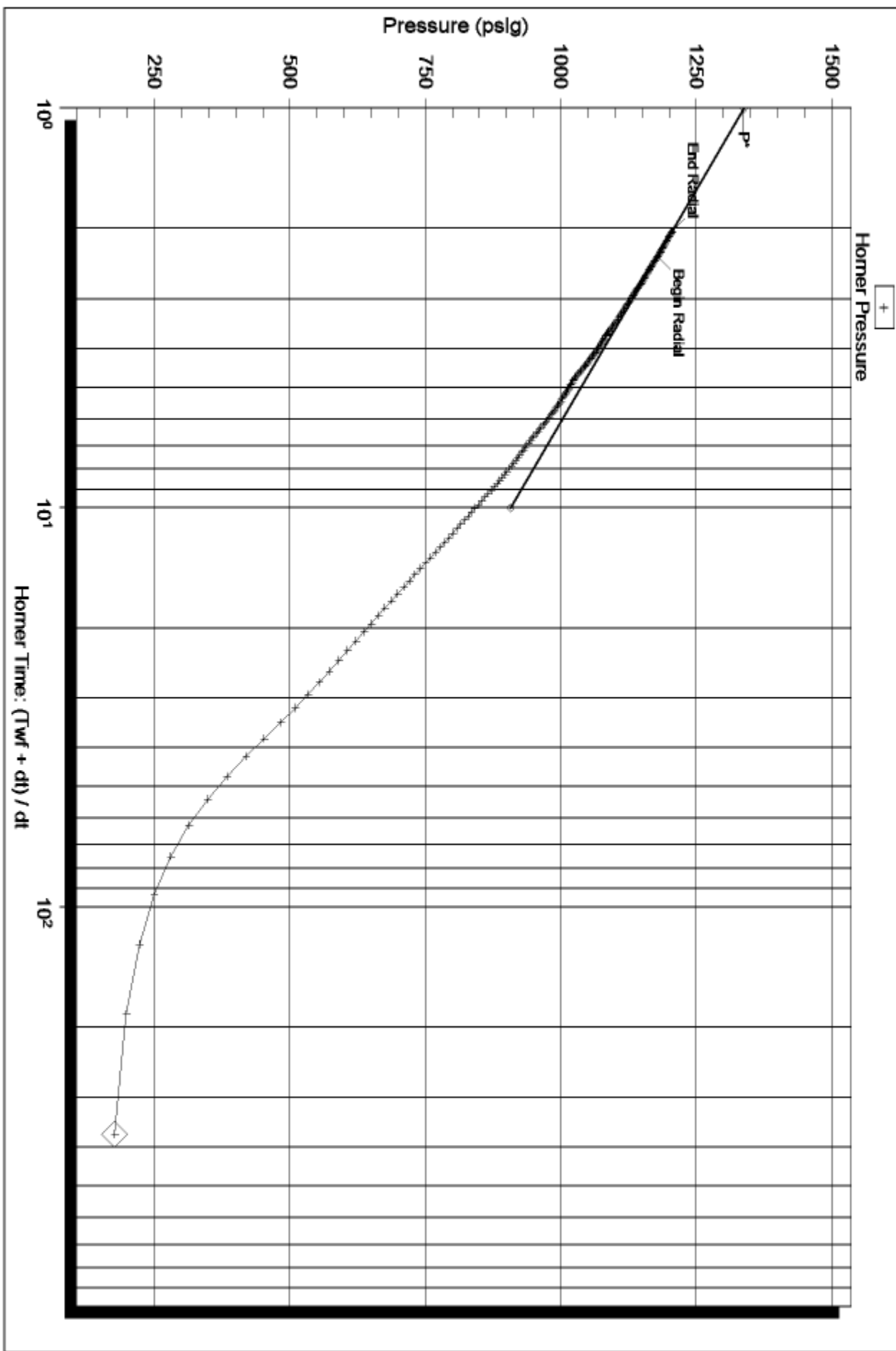
Serial Number: 8018 (Inside)

$P^* : 1320.74$

Slope (m) : 611.71 kpa/log cycle

Flow Cycle: 1

Horner Plot



Serial Number: 8018 (Inside)

P* : 1337.36

Slope (m) : 429.68 kpa/log cycle

Flow Cycle: 2



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S.St. Francis
 PO Box 2757
 Wichita Ks 67202-4518
 ATTN: Pat Canaday, Chuck Sc

12-8s-17w Rooks
Chesney Unit #406
 Job Ticket: 63062 **DST#: 3**
 Test Start: 2016.08.14 @ 21:35:37

GENERAL INFORMATION:

Formation: **LKC D, EF,**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 23:41:02
 Time Test Ended: 05:33:46
 Interval: **3127.00 ft (KB) To 3158.00 ft (KB) (TVD)**
 Total Depth: 3158.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1960.00 ft (KB)
 1952.00 ft (CF)
 KB to GR/CF: 8.00 ft

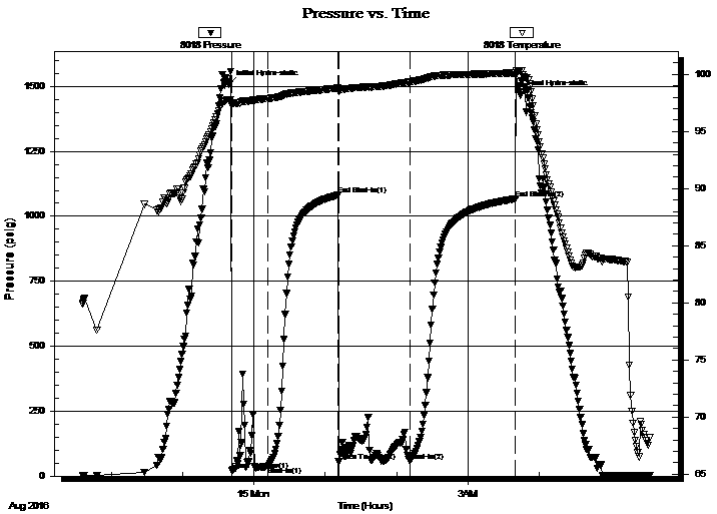
Serial #: 8018

Inside

Press@RunDepth: 58.34 psig @ 3131.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.14 End Date: 2016.08.15 Last Calib.: 2016.08.15
 Start Time: 21:35:37 End Time: 05:33:46 Time On Btm: 2016.08.14 @ 23:39:02
 Time Off Btm: 2016.08.15 @ 03:44:31

TEST COMMENT: 30-IFP-w k bl thru-out 1/4"to 2"bl
 60-ISIP-no bl
 60-FFP-w k bl thru-out surface to 3 1/4"bl
 90-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1506.43	97.81	Initial Hydro-static
2	22.68	97.28	Open To Flow (1)
33	37.74	97.87	Shut-In(1)
92	1081.29	98.79	End Shut-In(1)
93	55.19	98.49	Open To Flow (2)
152	58.34	99.32	Shut-In(2)
242	1067.72	100.12	End Shut-In(2)
246	1467.27	100.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	60' GIP	0.00
60.00	GM&WCO 25%G15%W20%M40%O	0.30
20.00	MGO 15%G40%M45%O	0.10
1.00	CO	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Gore Oil Company
202 S.St. Francis
PO Box 2757
Wichita Ks 67202-4518
ATTN: Pat Canaday, Chuck Sc

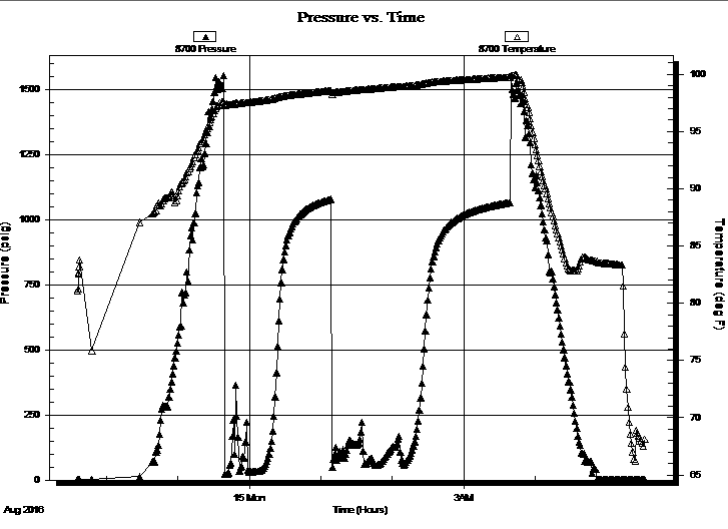
12-8s-17w Rooks
Chesney Unit #406
Job Ticket: 63062 **DST#: 3**
Test Start: 2016.08.14 @ 21:35:37

GENERAL INFORMATION:

Formation: **LKC D, EF,**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:41:02
Time Test Ended: 05:33:46
Interval: 3127.00 ft (KB) To 3158.00 ft (KB) (TVD)
Total Depth: 3158.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Reference Elevations: 1960.00 ft (KB)
1952.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8700 Outside
Press@RunDepth: psig @ 3131.00 ft (KB)
Capacity: 8000.00 psig
Start Date: 2016.08.14 End Date: 2016.08.15 Last Calib.: 2016.08.15
Start Time: 21:35:54 End Time: 05:32:18 Time On Btm:
Time Off Btm:

TEST COMMENT: 30-IFP-w k bl thru-out 1/4"to 2"bl
60-ISIP-no bl
60-FFP-w k bl thru-out surface to 3 1/4"bl
90-FSIP-no bl



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

Recovery		
Length (ft)	Description	Volume (bbl)
0.00	60' GIP	0.00
60.00	GM&WCO 25%G15%W20%M40%O	0.30
20.00	MGO 15%G40%M45%O	0.10
1.00	CO	0.00

* Recovery from multiple tests

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company
202 S.St. Francis
PO Box 2757
Wichita Ks 67202-4518
ATTN: Pat Canaday, Chuck Sc

12-8s-17w Rooks
Chesney Unit #406
Job Ticket: 63062 **DST#: 3**
Test Start: 2016.08.14 @ 21:35:37

Mud and Cushion Information

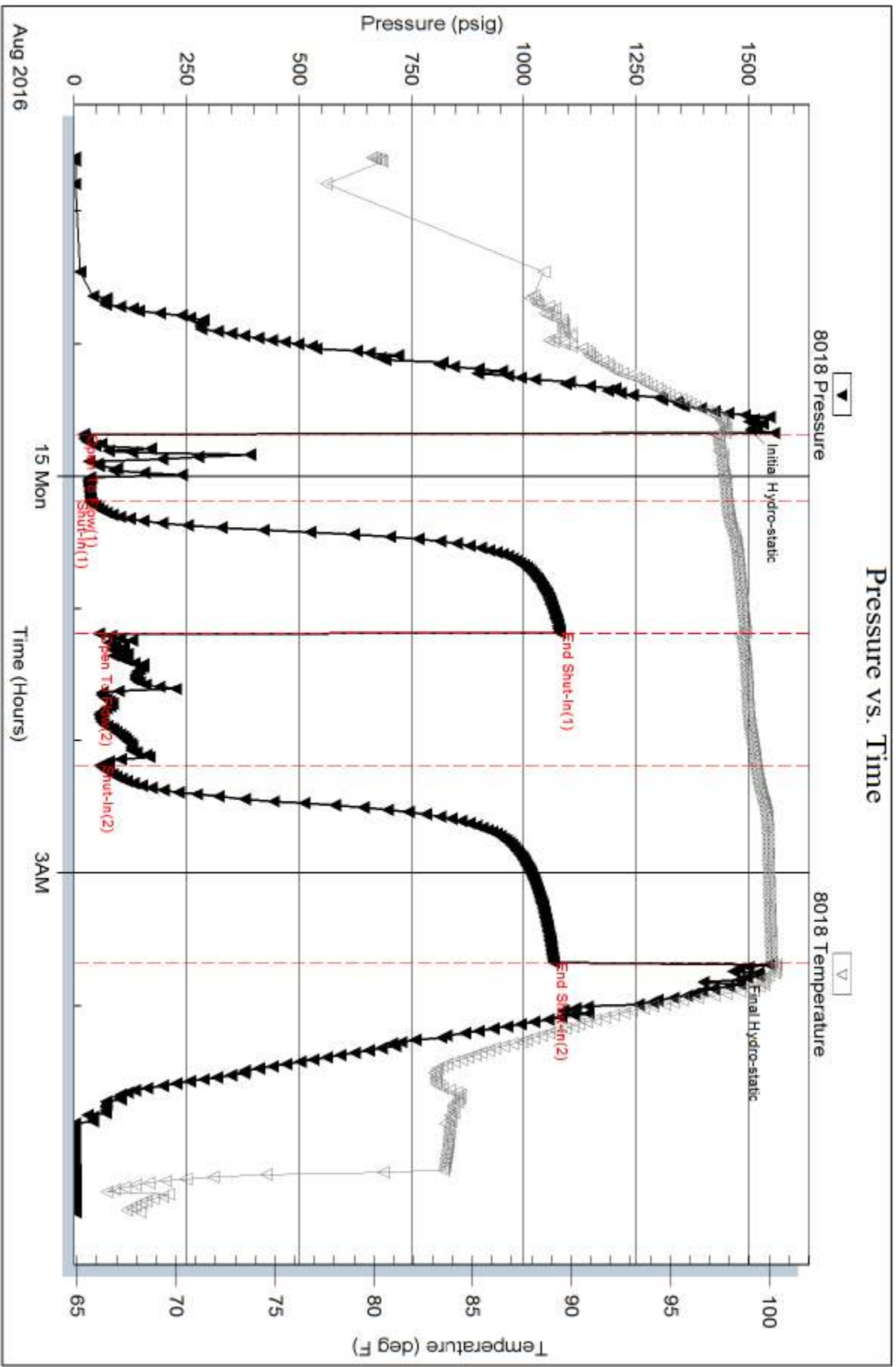
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	54000 ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	60' GIP	0.000
60.00	GM&WCO 25%G15%W20%M40%O	0.295
20.00	MGO 15%G40%M45%O	0.098
1.00	CO	0.005

Total Length: 81.00 ft Total Volume: 0.398 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .16@60F

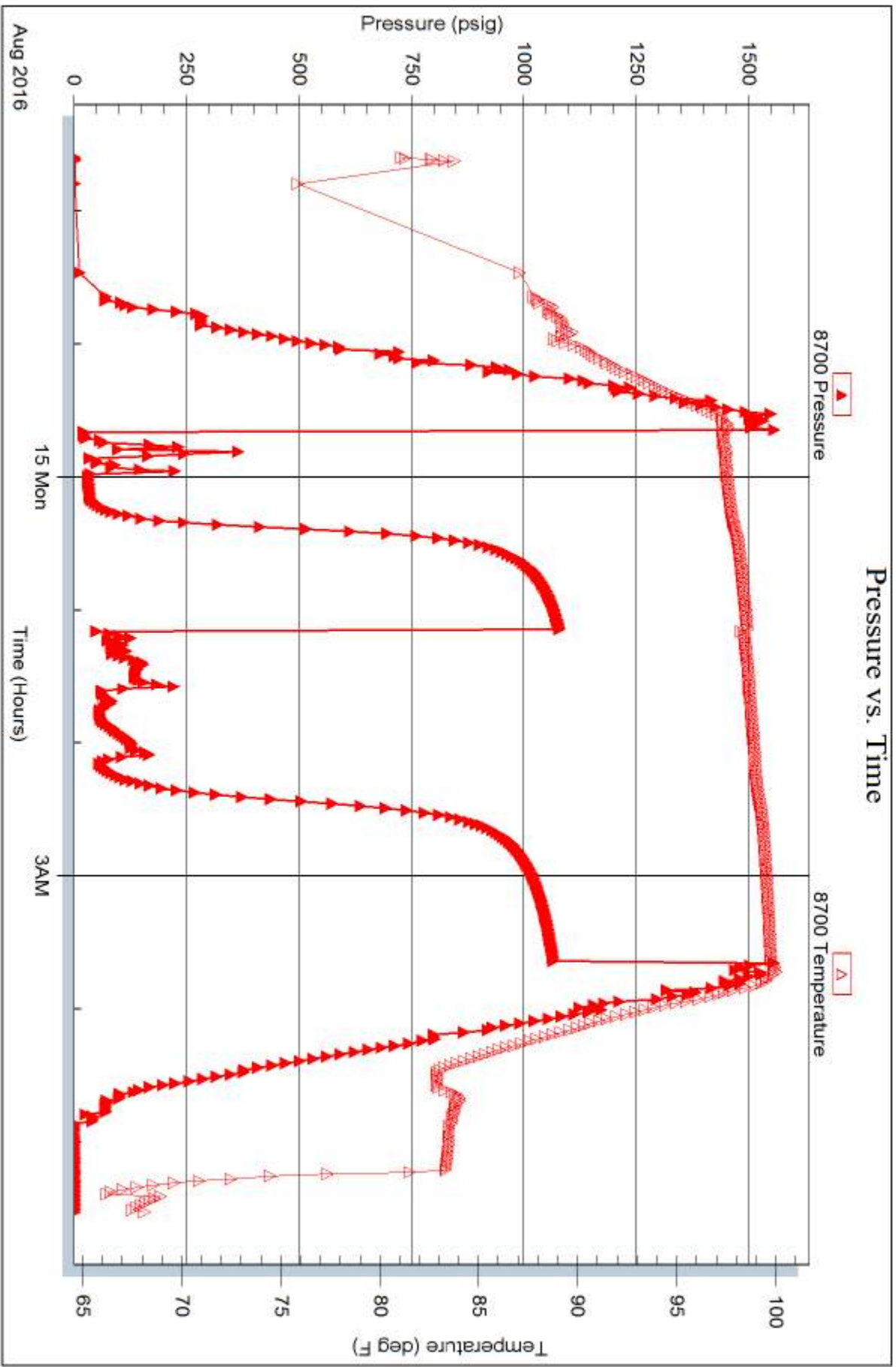


Serial #: 8700

Outside Gore Oil Company

Chesney Unit #406

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63062

Printed: 2016.08.15 @ 08:20:13



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Gore Oil Company
 202 S.St. Francis
 PO Box 2757
 Wichita Ks 67202-4518
 ATTN: Pat Canaday, Chuck Sc

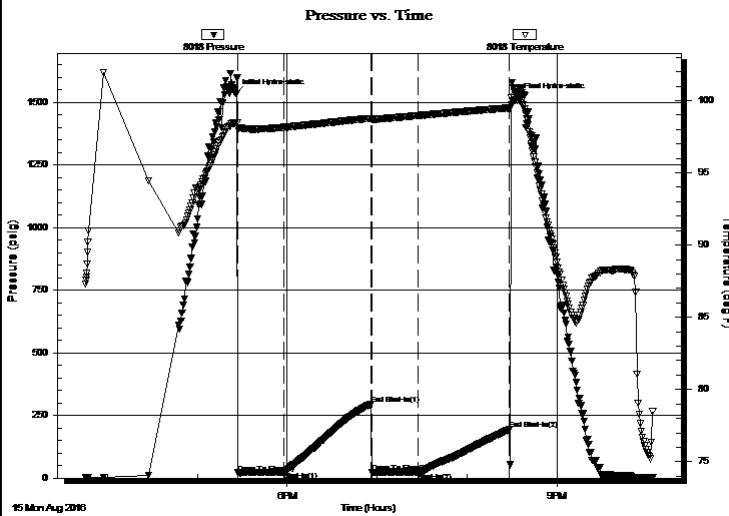
12-8s-17w Rooks
Chesney Unit #406
 Job Ticket: 63063 **DST#: 4**
 Test Start: 2016.08.15 @ 15:45:19

GENERAL INFORMATION:

Formation: **LKC H-I**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 17:27:14
 Time Test Ended: 22:04:13
 Interval: **3192.00 ft (KB) To 3245.00 ft (KB) (TVD)**
 Total Depth: 3245.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1960.00 ft (KB)
 1952.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8018 Inside
 Press@RunDepth: 25.06 psig @ 3194.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.08.15 End Date: 2016.08.15 Last Calib.: 2016.08.15
 Start Time: 15:45:19 End Time: 22:04:13 Time On Btm: 2016.08.15 @ 17:25:44
 Time Off Btm: 2016.08.15 @ 20:33:43

TEST COMMENT: 30-IFP-vy w k surface bl , died in 16min
 60-ISIP-no bl
 30-FFP-no bl
 60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1536.57	98.45	Initial Hydro-static
2	21.01	98.03	Open To Flow (1)
32	25.32	98.14	Shut-In(1)
91	296.18	98.77	End Shut-In(1)
91	23.54	98.68	Open To Flow (2)
122	25.06	98.96	Shut-In(2)
183	193.71	99.49	End Shut-In(2)
188	1518.63	100.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w / show of oil	0.02

* Recovery from multiple tests

Gas Rates

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

Serial #: 8018

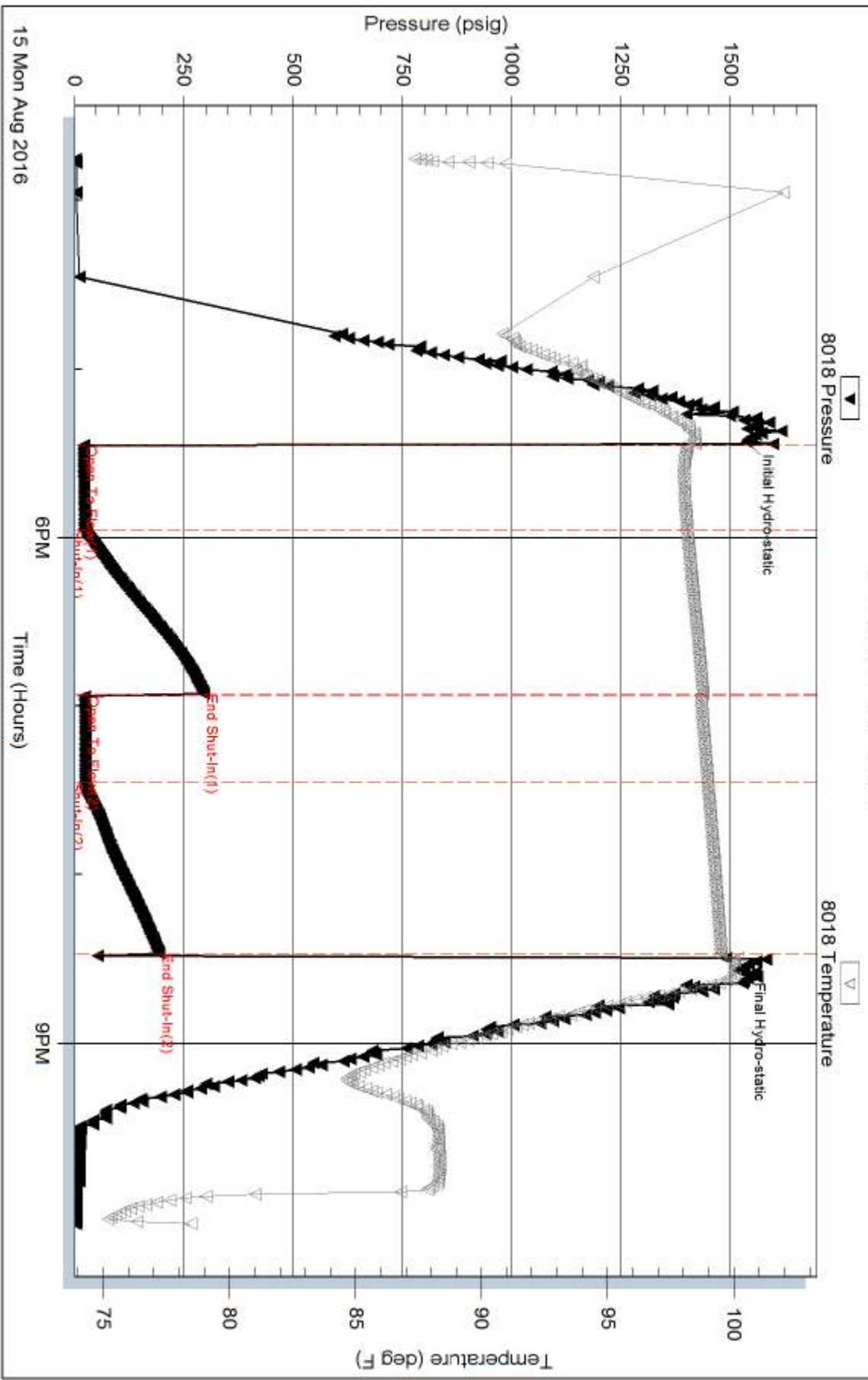
Inside

Gore Oil Company

Chesney Unit #406

DST Test Number: 4

Pressure vs. Time

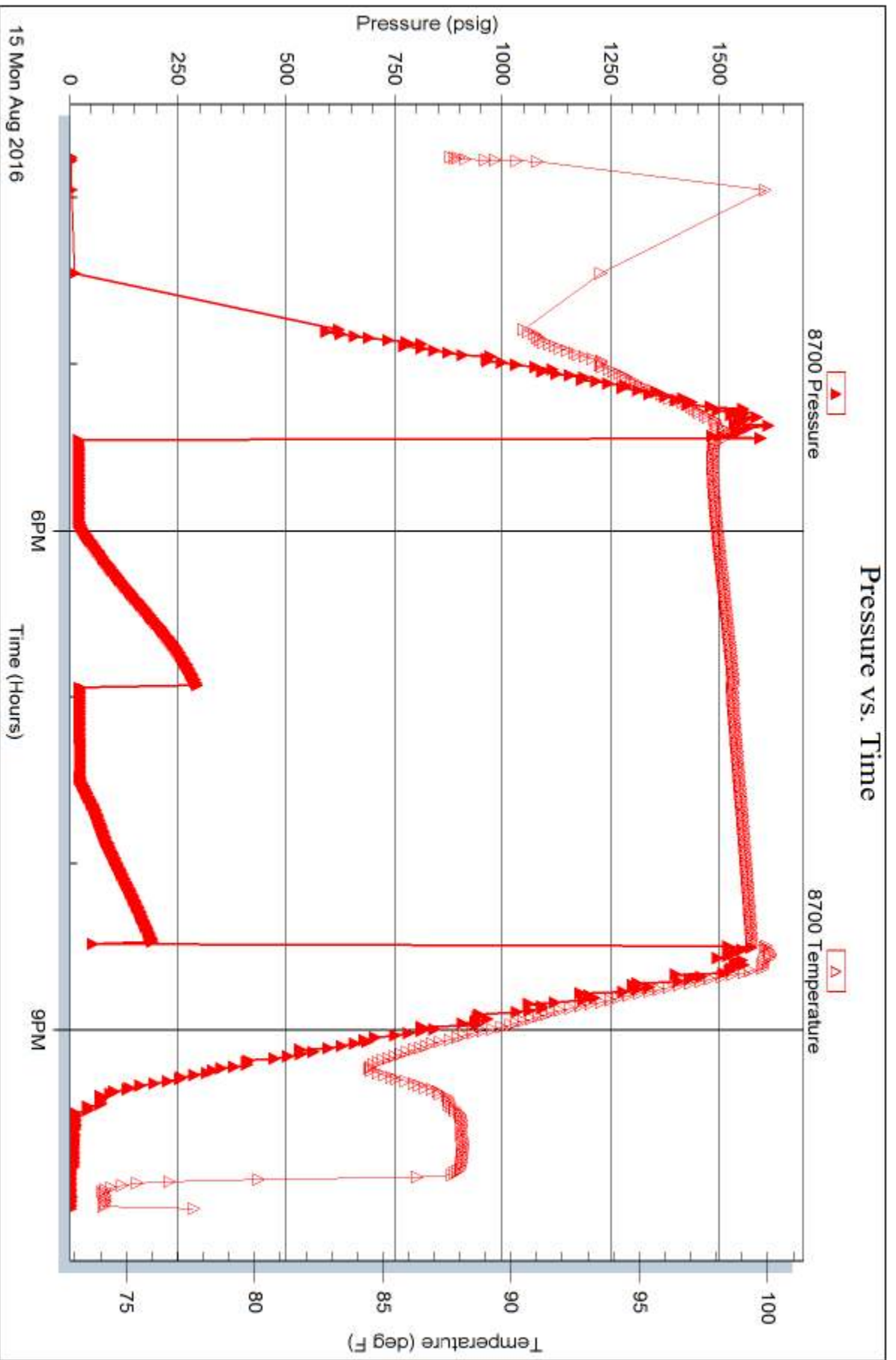


Serial #: 8700

Outside Gore Oil Company

Chesney Unit #406

DST Test Number: 4



Trilobite Testing, Inc

Ref. No: 63063

Printed: 2016.08.16 @ 07:08:26



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Gore Oil Company
202 S.St. Francis
PO Box 2757
Wichita Ks 67202-4518
ATTN: Pat Canaday, Chuck Sc

12-8s-17w Rooks
Chesney Unit #406
Job Ticket: 63064 **DST#: 5**
Test Start: 2016.08.16 @ 06:55:19

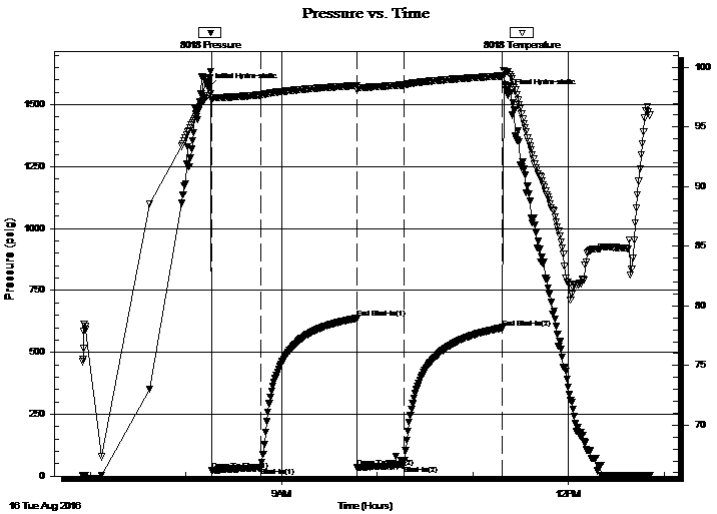
GENERAL INFORMATION:

Formation: **LKC J,K,L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:16:14
Time Test Ended: 12:50:43
Interval: **3242.00 ft (KB) To 3325.00 ft (KB) (TVD)**
Total Depth: 3325.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Ray Schwager
Unit No: 77
Reference Elevations: 1960.00 ft (KB)
1952.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8018 **Inside**
Press@RunDepth: 43.00 psig @ 3244.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.08.16 End Date: 2016.08.16 Last Calib.: 2016.08.16
Start Time: 06:55:19 End Time: 12:50:43 Time On Btm: 2016.08.16 @ 08:14:14
Time Off Btm: 2016.08.16 @ 11:21:58

TEST COMMENT: 30-IFP-w k bl thru-out 1/4"to 1"bl
60-ISIP-no bl
30-FFP-no bl
60-FSIP-no bl

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1568.02	97.62	Initial Hydro-static
2	22.06	97.25	Open To Flow (1)
33	35.12	97.70	Shut-In(1)
93	637.39	98.49	End Shut-In(1)
93	35.20	98.11	Open To Flow (2)
123	43.00	98.53	Shut-In(2)
185	599.77	99.30	End Shut-In(2)
188	1545.33	99.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Gore Oil Company
202 S.St. Francis
PO Box 2757
Wichita Ks 67202-4518
ATTN: Pat Canaday, Chuck Sc

12-8s-17w Rooks
Chesney Unit #406
Job Ticket: 63064 **DST#: 5**
Test Start: 2016.08.16 @ 06:55:19

Mud and Cushion Information

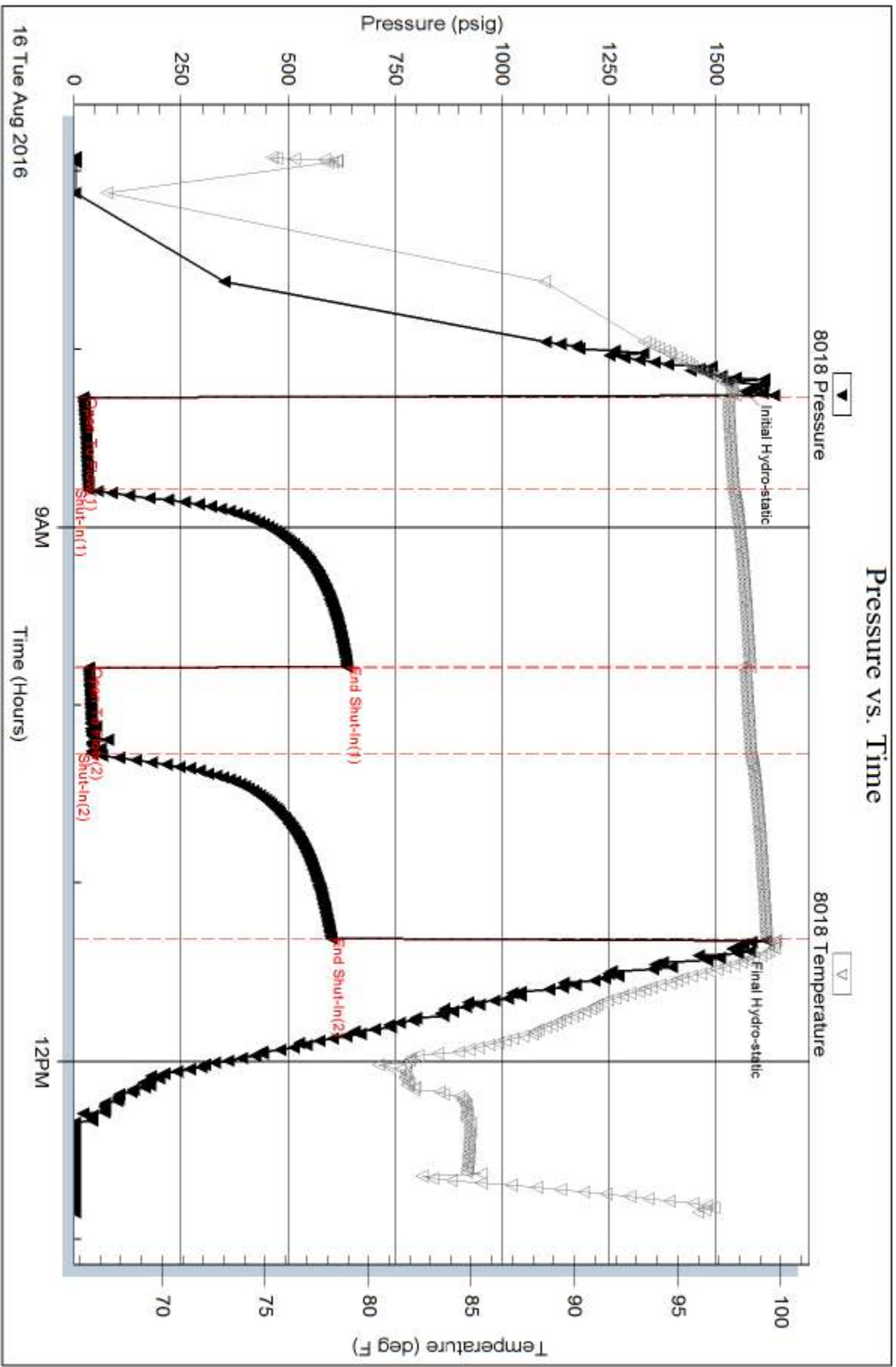
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098

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:

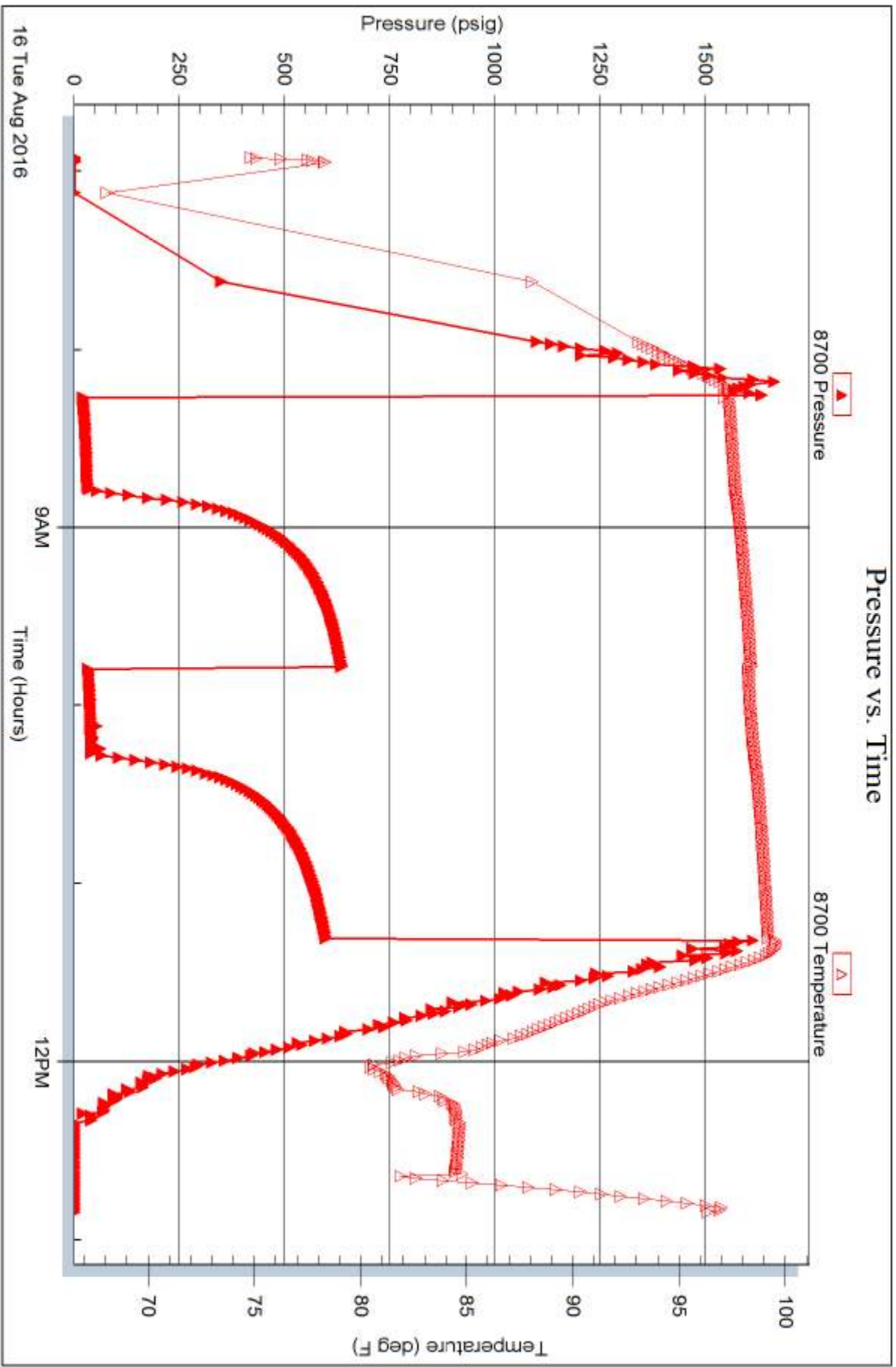


Serial #: 8700

Outside Gore Oil Company

Chesney Unit #406

DST Test Number: 5



CHARLES SCHMALTZ

CONSULTING GEOLOGIST
WICHITA, KANSAS

COMPANY: GORE OIL CO
WELL: CHESENEY UNIT # 406
FIELD: CHESENEY
LOCATION: 1671' FSL, 1667' FEL

SEC: 12 TWP: 8 S REF: 17 W
CORNER: ROKKS
COUNTY: KANSAS
APR # 15-163-21316-D0-00

MUDS/SEVICE MUD INC
COMMENCED: W/M DRILLING CO RIG # 12
OPERATED: I T ALB 2016
LOGGED: I T ALB 2016

DATE: 8/18 & 22
CASSIN RECORDED: 5/12 & 31/03 w/ 195 AX
SOURCE: 8/18 & 22

TRAIL DEPTH BASE: 3410'
TRAIL DEPTH LOG: 3408'

FORMATION TOPS & STRUCTURAL POSITION

FORMATION: ANHYDRITE - TOP
ANHYDRITE - BASE
TOPEKA
OREAD
HEEBNER
TORONTO
LANSING
BKC
ARBUCKLE
TOTAL DEPTH: 3410'

SAMPLE TOP: 1239
ELECTRIC LOG TOP: 1238
SUB-SEA DATUM: +772
STRUCTURAL POSITION: -341

PRODUCTION: ELEVATION: 9160
DRAINAGE AREA: 1952 AC
DATE: 9/52
STATUS: TO RTO
OPERATING TIME FROM: 1-27/06 TO 2/20/11
SPACES OBTAINED FROM: 2700' IN RTD
GENERAL SUPERVISOR: 2450' IN TOAL DEPT
DUAL WELL TESTS: 12/06/11 TESTING IN
EXTRACTION: PIONEER ENERGY SERVIC
DIL

PRODUCTION: ELEVATION: 9160
DRAINAGE AREA: 1952 AC
DATE: 9/52
STATUS: TO RTO
OPERATING TIME FROM: 1-27/06 TO 2/20/11
SPACES OBTAINED FROM: 2700' IN RTD
GENERAL SUPERVISOR: 2450' IN TOAL DEPT
DUAL WELL TESTS: 12/06/11 TESTING IN
EXTRACTION: PIONEER ENERGY SERVIC
DIL

PRODUCTION: ELEVATION: 9160
DRAINAGE AREA: 1952 AC
DATE: 9/52
STATUS: TO RTO
OPERATING TIME FROM: 1-27/06 TO 2/20/11
SPACES OBTAINED FROM: 2700' IN RTD
GENERAL SUPERVISOR: 2450' IN TOAL DEPT
DUAL WELL TESTS: 12/06/11 TESTING IN
EXTRACTION: PIONEER ENERGY SERVIC
DIL

REFERENCE WELL FOR STRUCTURE: QUITTES SERVICE OIL CO, CHESENEY UNIT # 406, CHESENEY UNIT # 401, 2310 FSL - 2310' FEL, SEC. 12-18S-R17W, ROKKS CITY, KS

LOG

LOG

LOG

LOG

LOG

LOG

LOG

LOG

DRILL STEM TESTS

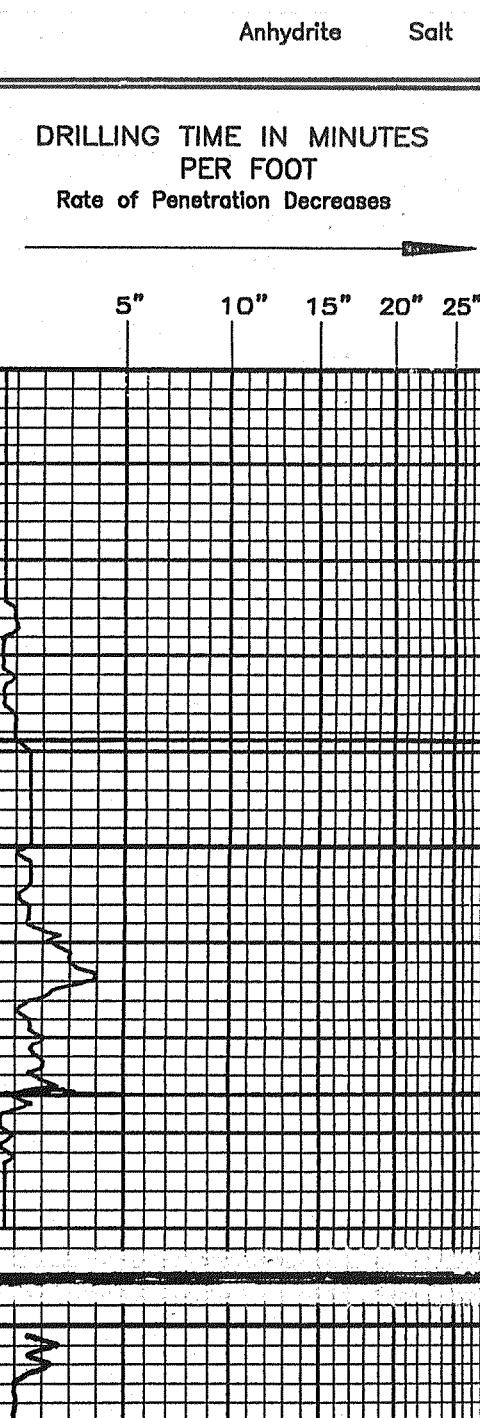
No.	Interval	SP/Time	SP/Time	SP/Time	HT-FT	REMARKS
1	2822-2855	24' 35"	510'	38' 39"	1951'	30' Mud w/ SHOW OIL
2	2968-3121	30' 11/2"	1202'	113' 08"	90' C	435' GIP, 35' CO 155' HO & GCM 124' D & GCM
3	3127-3158	22' 37"	1081'	55' 28"	100' C	60' GIP, 1' CO 20' G & M CO 60' SW & GCMO

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	PIPE STRAP
1	1 1/2"	SMITH	RR	221'	221'	2 1/4	@ 2855' - 0.30 LNSG
2	7/8"	SMITH	F21	3410'	3189'	5 3/4	DEVIATION SURVEYS: @ 221' - 1/2" @ 2855' - 3/4" @ 3410' - 3/4"

MUD RECORD

DATE	MIXT. & SPUD	NO	DATE	AMOUNT	WT	VS	VE	VF	FR	OS	LS	RES.
8-10	MIXT. & SPUD	4	8-13	2855'	84	57	72	28	115	17	18	2100
8-11	695'	5	8-14	3171'	78	45	74	28	110	10	16	2500
8-12	2300' - 0816	6	8-15	3158'	111	60	72	34	110	14	28	2500
8-13	2855' - 0511	7	8-16	3325'	174	35	92	54	118	26	27	2800
8-14	3011' - 0511	8	8-16	3325'	174	35	92	54	118	26	27	2800
8-15	3158' - 0511	9	8-16	3325'	174	35	92	54	118	26	27	2800
8-16	3325' - 0511	10	8-16	3325'	174	35	92	54	118	26	27	2800
8-17	3410' - 1000	11	8-17	3410'	174	35	92	54	118	26	27	2800



REMARKS

ANHYDRITE - TOP
1239 (+721)

ANHYDRITE - BASE
1276 (+684)

TOPEKA
2814 (-854)
30 STAND SHDRT TRIP PRIOR TO DST #1
DST #1
(2822 - 2855)
30" - 60" - 30" - 60"
1FP: 1/2" BLOW BLDG TO 1/4"
1SIP: NO BLOW
1FFP: NO BLOW
1SFP: SURF BLOW BLDG TO 3"
RECOVERED:
30' MUD w/ SHOW OIL
HSP: 1367' - 1342'
FP: 29' 35" - 38' 39"
SIP: 510' - 499'
BHT: 96° F

OREAD
2971 (-1011)
VSS
30' MUD w/ SHOW OIL
HSP: 1536' - 1518'
FP: 21' 25" / 23' 25"
SIP: 295' - 193'
BHT: 99° F

HEEBNER
3030 (-1070)

TORONTO
3048 (-1088)

LANSING
3071 (-1111)

DST #2
(2968 - 3121)
30" - 60" - 60" - 90"
1FP: BLOW BLDG TO BOB IN 21 MIN
1SIP: SURF BLOW THROUGHOUT
1FFP: BLOW BLDG TO BOB IN 23 MIN
1SFP: SURF BLOW BLDG TO 3"
RECOVERED:
435' GIP
35' CO
155' HO & GCM
(25% O, 20% G, 55% M)
124' D & GCM
(15% O, 10% G, 75% M)
HSP: 1434' - 1404'
FP: 30' 11/2" / 113' 158"
SIP: 1202' - 1204'
BHT: 99° F

DST #3
(3127 - 3158)
30" - 60" - 60" - 90"
1FP: SURF BLOW BLDG TO 2"
1SIP: NO BLOW
1FFP: SURF BLOW BLDG TO 3 1/4"
1SFP: NO BLOW
RECOVERED:
60' GIP
1' CO
20' GCMO
(15% O, 25% G, 20% M, 40% B)
CUL: 51000 PPM SVS: 2500 PPM
HSP: 1506' - 1467'
FP: 22' 37" / 55' 58"
SIP: 1081' - 1067'
BHT: 100° F
* CHARTS SHOW SOME PLUGGING DURING BOTH FLOW PERIODS

DST #4
(3192 - 3245)
30" - 60" - 30" - 60"
1FP: SURF BLOW DIED IN 16 MIN
1SIP: NO BLOW
1FFP: NO BLOW
1SFP: NO BLOW
RECOVERED:
5' MUD w/ SHOW OIL
HSP: 1536' - 1518'
FP: 21' 25" / 23' 25"
SIP: 295' - 193'
BHT: 99° F

BKC
3320 (-1360)

DST #5
(3242 - 3325)
30" - 60" - 30" - 60"
1FP: SURF BLOW BLDG TO 1"
1SIP: NO BLOW
1FFP: NO BLOW
1SFP: NO BLOW
RECOVERED:
20' Mud, N5
HSP: 1568' - 1545'
FP: 22' 35" / 35' 43"
SIP: 637' - 599'
BHT: 99° F

ARBUCKLE
3389 (-1429)

LTD 3408 (-1448)
RTD 3410 (-1450)

LITHOLOGY

SAMPLE DESCRIPTIONS

10-1200: ls: tan, brown, fm-med xtn, sh; fss; ls grey, med xtn, pelletal, no vis, N.S. sh: grey, some dk grey

20-1200: ls: tan, brown, fm-med xtn, sh; fss, w/ ls: grey, med xtn, fss, mottled, no vis, no show

30-1200: sh: lt grey, grey, some gummy, scat v. sli silty; w/ scat ls: tan, fm-med xtn, sh; calcitic, no vis, no show

40-1200: sh: grey, lt grey, soft, gummy

50-1200: sh: lt grey, med grey, gummy

60-1200: ls: tan, brown, grey, fm-med xtn, sh; fss, dense

70-1200: ls: as above

80-1200: sh: grey, lt grey, soft

90-1200: sh: lt grey, grey, gummy, scat dk grey; sh: calc in part

100-1200: sh: lt grey, grey, soft, gummy, few pcs orange

110-1200: ls: tan, brown, fm-med xtn, sh; fss, dense; w/ ls: grey, dk grey, med xtn, sh; fss, shaley

120-1200: sh: lt grey, some, green; few pcs orange w/ ls inclusions

130-1200: sh: as above w/ inc in lt grey soft, gummy sh

140-1200: ls: tan, brown, fm-med xtn, dense; ls: grey, dk grey, med xtn, sh; fss, scat pcs shaley, few pcs pyrite

150-1200: ls: tan, brown, mostly fm xtn, dense; some grey, fm-med xtn, sh; fss, shaley

160-1200: ls: tan, brown, vfm - scat, med xtn, dense; w/ scat grey, fm-med xtn, ls: w/ scat fss & ls frags, shaley in part w/ scat pyrite

170-1200: ls: tan, lt brown, fm - some med xtn, fr fss, scat pr - fr ppt & fine vuggy of, pr - fr med - dk brown st w/ scat, SS (cp. res FS) PD on break, lt odor; ls: brown, grey, fm-med xtn, sh; fss, dense

180-1200: ls: grey, dk grey, fm xtn, v. sli fss, dense; w/ shale: grey, few pcs reddish-brown

190-1200: ls: tan, lt brown, grey, vfm - fm xtn, no vis, no show; scat pcs dk grey, fm xtn, sh; shaley, dense

200-1200: ls: lt brown, tan, grey, vfm - fm xtn, fr fss, chalky in part, fr pr inter xtn, no show

210-1200: ls: as above; w/ sh: grey, dk grey, calc in part; sh: reddish-brown, fcm

220-1200: ls: grey, brown - grey, fm-med xtn, sh; fss, mottled, v. scat pr inter xtn, no show; ls: tan, fm xtn, sh; chalky, fr sandy

230-1200: ls: brown, fm-med xtn, dense; w/ sh: dk grey, grey - green, some rust

240-1200: sh: lt grey, soft, gummy; sh: grey, dk grey, mica, calc in part

250-1200: ls: tan, lt grey, micro - fm xtn, dense; w/ ls: offwh, tan, fm xtn, chalky in part, fr pr isolated, small vuggy of, N.S.

260-1200: ls: tan, lt brown, fm-med xtn, sh; fss, sh; calcitic, no vis, N.S.; ls: grey, med xtn, scat ls inclusions & interbedded sh, no vis

270-1200: ls: as above; w/ sh: lt grey, soft; grey, green - grey

280-1200: ls: tan, dk brown, fm-med xtn, sh; fss, dense; ls: grey, med xtn, pelletal, fss, no vis, no show; sh: grey, dk grey

290-1200: ls: tan, fm xtn, few pcs sh; sandy, sh; chalky, scat v. pr small vuggy of; 3-4 pcs tray w/ pr dk spotty st & pr patchy sat, fr show PD, no odor; 1 pc coal w/ pr intercol of, VSSFO

300-1200: ls: tan, lt brown, micro - fm xtn, sh; chalky, w/ grey, dk grey, med xtn, pelletal, sh; fss, arg, no vis, no show

310-1200: ls: offwh, tan, calcitic, pelletal, w/ pr - fr interparticle of, 2 pcs w/ fr dk st & sat, VSS ppt, no odor, few pcs w/ fr pr st on faces & edges

320-1200: ls: offwh, lt grey, fm-med xtn, dense; w/ ls: grey, brown - grey, med xtn, fss, mottled, dense; few pcs brown - blue, fss, fresh, Δ opaque

330-1200: ls: offwh, tan, some grey, fm-med xtn, v. sli fss & pelletal, fr pr inter xtn, no show

340-1200: sh: grey, dk grey, few pcs black

350-1200: ls: tan, brown, micro - fm xtn, dense; sh: lt grey, pale green, some lt brown, soft, gummy

360-1200: ls: tan, lt brown, fm-med xtn, scat pr - fr fr inter xtn & vuggy of, pr - fr dk st w/ pr patchy sat, SSFO on break, no odor; few pcs Δ wh, lt grey, fresh, opaque; sh: grey, rust - brown, brown, soft gummy; w/ scat pyrite

370-1200: ls: offwh, fm xtn, calcitic in part, sh; fss, opp pr inter col & inter xtn, pr - scat, dk st w/ pr patchy sat, ss ppts FD on brk, no odor; w/ ls: offwh, tan, fm xtn, scat rust st; no vis, no show; sh: lt grey, green, calc in part

380-1200: ls: brown, grey, micro - fm xtn, dense; w/ Δ brown, fresh, opaque

390-1200: ls: dk brown, dk grey, fm-med xtn, sh; fss, dense; sh: lt grey, scat, ps calc, v. sli dolomite; considerable lt grey, green - grey, gummy sh

400-1200: ls: tan, grey, sh; tan, micro - fm xtn, dense

410-1200: ls: brown, fm - mostly med xtn, fss, fr inter xtn & vuggy of, fr - rd med brown st w/ fr - rd sat, VSSFO, fr - rd odor

420-1200: ls: tan, brown, fm-med xtn, dense; w/ sh: grey, green - grey

430-1200: ls: offwh, tan, fm-med xtn, pelletal, fss in part, fr - scat & inter xtn & interparticle of, fr - rd st & sat (some full), VSSFO

440-1200: sh: grey, green - grey, some brown

450-1200: ls: tan, lt grey, mostly fm xtn, dense; few pcs fm-med xtn, w/ pr inter xtn & isolated small vuggy of, fr pr spotty st; fr FD

460-1200: sh: grey, green - grey, scat brown

470-1200: ls: tan, lt brown, mostly fm - some med xtn, vpr ppt of, scat pr spotty sat, rare ppt FD

480-1200: sh: grey, some brown, lt grey, soft

490-1200: ls: mostly tan, some offwh, brown, fm - few pcs med xtn, few pcs w/ pr inter xtn & small vuggy of, vpr - pr patchy sat w/ sh; scat, rare ppt FD, no odor

500-1200: ls: offwh, tan, lt grey - tan, vfm - fm xtn, dense, sh; chalky w/ few pcs wh chalk

510-1200: ls: tan, brown, offwh, vfm - fm xtn, chalky in part, dense; few pcs Δ: fresh, white

520-1200: ls: as above; w/ ls: dk brown, dk grey, fm-med xtn, mottled, pelletal, fss, dense; no vis, no show

530-1200: sh: lt grey, soft, gummy, med grey, rust - brown

540-1200: ls: tan, lt brown, fm - some med xtn, vry scat pr ppt of, 1-2 pcs / tray w/ pr, spotty st, no show FD, few pcs Δ: fresh, brown - grey, semi-translucent

550-1200: ls: tan, brown, lt grey, fm-med xtn, sh; chalky, no vis, no show

560-1200: sh: brown, rust - brown, soft

570-1200: ls: offwh, lt grey, some tan, fm-med xtn, granular, sh; fss, pr - some fr inter xtn / inter particle & scat pr vuggy of, pr - fr st w/ fr patchy sat, SS - fr odor

580-1200: sh: grey, grey - green

590-1200: ls: offwh, tan, fm xtn, partially coc w/ pr - fr coc of, patchy pr st w/ sh; scat, v. fss bubbles w/ al ring; ls: tan, vfm xtn, vpr inter xtn & rare show gas bubbles w/ minute ppts FD, pr pr spotty st & patchy sat; ls: grey, vfm xtn, sh; dolomite, VSS ppts FD on brk

600-1200: sh: lt grey, soft, gummy, rust-brown, sh; sandy (vfm grained), few pcs dk grey, black sh

610-1200: ls: offwh, lt grey, some dk grey, med xtn / pelletal, sh; fss, scat pr - fr inter particle / inter xtn of, pr - fr med

620-1200: sh: few pcs dk grey, black; sh: lt grey, grey soft; sh: pale green, few pcs dk grey; vfm xtn, purple-grey, shaley, "dirty"

630-1200: ls: offwh, tan, brown, fm-med xtn, sh; fss, no vis, no show - (2 pcs w/ fr pr st rare ppt FD, vpr of, similar to show above; from above?)

640-1200: sh: lt grey, soft, gummy; few pcs med grey, brown

650-1200: ls: offwh, tan, fm xtn, sandy in part (vfm grained), scat pcs chalky, no vis, no show

660-1200: ls: tan, grey, fm-med xtn, pelletal, calcite cement, no vis, no show

670-1200: sh: rust, brown, grey, some yellow

680-1200: ls: tan, lt brown, fm-med xtn, v. sli fss, fr sandy, mottled, no vis, N.S.

690-1200: sh: rust, brown, grey, grey-green

700-1200: ls: offwh, tan, grey, fm-med xtn, fr sandy, sh; fss, rust stain, no vis, N.S.

710-1200: sh: mostly rust, brown; scat lt - med grey, cp. fm green

720-1200: ls: tan, lt brown, fm-med xtn, sh; sandy, fr fss, chalky in part, no vis, N.S.

730-1200: sh: mostly rust, brown; some grey

740-1200: dol: lt grey, grey, vfm - fm xtn, dense no vis, no show

750-1200: dol: lt grey, grey, fm - some med xtn, scat pcs rhombic, pr - fr & inter xtn of, no st, fluor, cut odor, NSFO

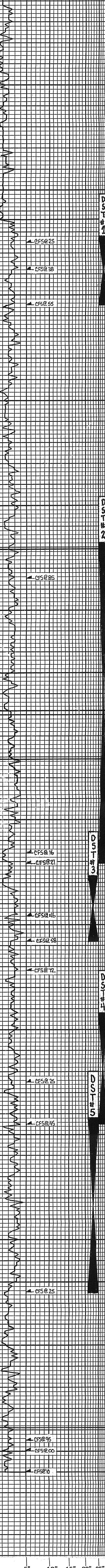
760-1200: sh: lt grey, soft, gummy; few pcs med grey, brown

DEPTH

DRILLING TIME

5" 10" 15" 20" 25"

Rate of Penetration



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

GLOBAL CEMENTING, L.L.C.

2001

REMIT TO 1958 E. Highway 40
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>8-10-2010</u>	SEC. <u>12</u>	TWP. <u>8S</u>	RANGE <u>17W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Hesney</u>	WELL UNIT # <u>406</u>	LOCATION <u>Plainville 8N "RD"</u>	COUNTY <u>ROCK'S</u>			STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (CIRCLE ONE)	4 1/2 "RD" IN "RD" 2 3/4 E 1/4 N 1/4 E INTO "CALVIN"						

CONTRACTOR W-W DAIG, RIG #12

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 I.D. 221

CASING SIZE 8 5/8 USED DEPTH 221

TUBING SIZE 24 # CSG. DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS

DISPLACEMENT 13" / BBL

EQUIPMENT

PUMP TRUCK CEMENTER Donal G.

P-2 HELPER Cody H.

BULK TRUCK

B-5 DRIVER Jason M.

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 150sx Com.

350 cc

2.90 GEL

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Set 8 5/8 csg @ 221

Received Circulation

Mixed 150sx Cement

Displaced 13 / BBL #120

SHUT IN @ 1250# PST

Cement Did Circulate

THANK'S

CHARGE TO: Gore Oil Company

STREET

CITY STATE ZIP

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

PRINTED NAME John H. ...

SIGNATURE [Signature]

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT 20% IF PAID IN 30 DAYS

JOB LOG

SWIFT Services, Inc.

DATE 8-17-16 PAGE NO. 7

CUSTOMER GORE OIL Co. WELL NO. 406 LEASE CHESNEY JOB TYPE 5 1/2" LONGSTRING TICKET NO. 29326

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0900							ON LOCATION
	0930							START 5 1/2" CASING IN WELL
								TD - 3410' SET # 3403
								TP - 3405' 5 1/2" # 15.5
								SJ - 10'
								TURBOLIZERS - 1, 3, 5, 7, 9, 11, 13, S1
								CMT BSPTS - 14, S2
								PORT COLLAR # 1246 TOP JOY # S2
	1105							DROP BALL - CIRCULATE ROTATE
	1155	6	12		✓	400		PUMP 500 GAL MUD FLUSH "
	1157	6	20		✓	400		PUMP 20 BBLs KCL-FLUSH "
	1208		7					PLUG RH (30SRS)
	1212	4 1/2	47		✓	200		MIX CEMENT - 195 SRS EA-2 # 15.5 PPG "
	1220							WASH OUT PUMP - LINES
	1220							RELEASE LATCH DOWN PLUG
	1225	8	0		✓			DISPLACE PLUG "
		6	80			900		
	1237	6	80.8			1500		PLUG DOWN - PSE UP LATCH IN PLUG
	1240					OK		RELEASE PSE-HEAD
								WASH TRUCK
	1400							JOB COMPLETE

THANK YOU
WAYNE, JON H., AUSTIN

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

Jay Scott Emler, Chairman
Shari Feist Albrecht, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

January 06, 2017

Pat Canaday
Gore Oil Company
202 S ST FRANCIS
PO BOX 2757
WICHITA, KS 67202-4518

Re: ACO-1
API 15-163-24316-00-00
CHESNEY UNIT 406
SE/4 Sec.12-08S-17W
Rooks County, Kansas

Dear Pat Canaday:

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

The above referenced well was spudded on 08/10/2016 and the ACO-1 was received on January 05, 2017 (not within the 120 days timely requirement).

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

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

Sincerely,

Production Department



TICKET 29450

PAGE 1 OF 1

CHARGE TO: Gore Oil Co
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

SERVICE LOCATIONS
 1. Hays Ks WELL/PROJECT NO. # 406 LEASE Chesney COUNTY/PARISH Rooks STATE Ks CITY _____ DATE 9-2-16 OWNER _____
 2. Ness City Ks CONTRACTOR A TICKET TYPE SERVICE SALES
 3. _____ WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Port Collar RIG NAME/NO. _____ DELIVERED TO location ORDER NO. _____
 4. _____ WELL LOCATION Port Collar WELL PERMIT NO. _____ WELL LOCATION _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
578	1			MILEAGE Tax # 113	30	Mi				
576 D	1			Ramp Change - Port Collar	1	EA				
290	1			D-Att	2	Gal				
380	2			Swift Multi-Density STD	150	SKS				
276	2			Flocele	71	Lbs				
581	2			Service Charge Cmt	200	SKS				
583	2			Drayage (60 miles)	567	TM				

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: [Signature] TIME SIGNED: A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?
 WE UNDERSTOOD AND MET YOUR NEEDS?
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?
 ARE YOU SATISFIED WITH OUR SERVICE?
 YES NO

AGREE UN-DECIDED DIS-AGREE

PAGE TOTAL

TOTAL

INVOICE INSTRUCTIONS

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES

APPROVAL

SWIFT OPERATOR David Edgerton

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE _____ PAGE NO. _____

CUSTOMER Gore Oil Co WELL NO. # 406 LEASE Chesney JOB TYPE Port Collar TICKET NO. 29450

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	835							On location 2 3/8 x 5 1/2 Port Collar e 1245
	930						1400	Test Port Collar - Good - open P.C.
	935	4	0			500		START CMT e 11.2 pp9
			40			600		Circ CMT
			55			600		Raise weight to 13.5 pp9
			70			500		End CMT
	985		4			500		Disp w/ wtr
	1000						1000	Close P.C. and test - Good
								Run 3 Joints
	1010	2.5	15				200	Rev out
								Thanks David Jon H & Isaac