

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD  
 Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

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

API No.: \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
---	--	------------------------------------

Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Gore Oil Company
Well Name	BARC UNIT 1
Doc ID	1435291

All Electric Logs Run

Dual Induction
Compensated Density-Neutron
Microlog Gamma Ray
Cement Bond



# GLOBAL OIL FIELD SERVICES, LLC

0018248

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT:  
RUSSELL, KS

DATE 9-28-18	SEC 10	TWP 9S	RANGE 19W	CALLED OUT 5 PM	ON LOCATION 7 PM	JOB START 8 PM	JOB FINISH 8:45 PM
LEASE BARCUM	WELL # 1	LOCATION ZURICH, KS - 10RD N TO			COUNTY Rooks	STATE KS	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)			TRD - 1/2 mi W - S INTO				

CONTRACTOR MURFIN DRILLING RIG#9 OWNER \_\_\_\_\_

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4" T.D. 260'

CASING SIZE 8 5/8" DEPTH 252.49' + 8' L.S

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 11.96'

CEMENT LEFT IN CSG 20'

PERFS \_\_\_\_\_

DISPLACEMENT 1 5/8 BBL

EQUIPMENT

PUMP TRUCK CEMENTER BRAD

# 117 HELPER JASON

BULK TRUCK \_\_\_\_\_

# 379 DRIVER TOM

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT AMOUNT ORDERED 180 ST 3% CC 296 GFL

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

REMARKS:

RUN IN 6 ITS. NEW 8 5/8 CASING, FINISH 210',  
ONLY 180 ST, WASH UP + DIS. W/ 1 5/8 BBL  
H<sub>2</sub>O, SHUT IN @ 500 PSI, CE NEAR PID  
CIRCULATE, 15 ST TO PIT

CHARGE TO: GORE  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

Global Oil Field 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 Jason Gall

SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



CHARGE TO  
*Gore Oil Co*  
ADDRESS  
CITY, STATE, ZIP CODE

TICKET 27408

PAGE 1 OF

SERVICE LOCATIONS  
1. *Hays Ks*  
2. *Ness City Ks*  
3.  
4.

WELL/PROJECT NO. #1  
LEASE *BALL*  
CONTRACTOR *Muffin Drilling*  
TICKET TYPE  
 SALES  
 SERVICE  
WELL TYPE *Oil*  
CITY *Roake*  
COUNTY/PARISH *Rio # 8*  
RIG NAME/NO. *development Top to Bottom long string*  
STATE *Ks*  
CITY  
DELIVERED TO *location*  
WELL PERMIT NO.  
WELL LOCATION

DATE *10-5-18*  
ORDER NO.  
OWNER

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1			30	MI			5.00	150.00
579		1			1	EA			1800.00	1800.00
290		1			5	BAR			42.00	210.00
221		1			2	GA			25.00	50.00
280		1			330	BAR			3.50	1155.00
403		1			4	BA			275.00	1100.00
406		1			1	EA			250.00	250.00
407		1			1	EA			325.00	325.00
409		1			10	BA			85.00	850.00

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 \_\_\_\_\_ TIME SIGNED \_\_\_\_\_  
 A.M.  
 P.M.

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

SURVEY  
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 5890.00  
10206.50  
16096.50

TOTAL 11935.80

APPROVAL  
*David Edgersten*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
SWIFT OPERATOR *David Edgersten*  
APPROVAL

Thank You!



PO Box 466  
 Ness City, KS 67560  
 Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 27468

DATE 10-5-18

WEIGHT # 1

CUSTOMER *Gom Oil Co*

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		TIME
		LOC	ACCT	
330		2		
276		2		

DESCRIPTION	QTY	U/M	QTY	U/M	UNIT PRICE	AMOUNT
<i>Swift Multi Density</i>	<i>420</i>	<i>sks</i>			<i>16</i>	<i>6720.00</i>
<i>Flare</i>	<i>120</i>	<i>lbs</i>			<i>2</i>	<i>240.00</i>

SERVICE CHARGE	<i>Cement</i>	
MILEAGE CHARGE	<i>47662</i>	LOADED MILES
		<i>60</i>
CUBIC FEET	<i>480</i>	
TOW MILES	<i>490</i>	

CONTINUATION TOTAL	<i>10206.50</i>
--------------------	-----------------

JOB LOG

SWIFT Services, Inc.

DATE 10-5-18 PAGE NO.

CUSTOMER Gore Oil Co WELL NO. #1 LEASE BARC JOB TYPE Long String TICKET NO. 27408

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

1700

On location  
 5 1/2 Csg x 15.5 lbs  
 Rts - 3575  
 Total Csg - 3570.11  
 Shoe - 10.57 Baffle @ 3569  
 Centralizers - 13, 31, 51, 69  
 Baskets - 13, 31, 51, 69

1915  
 2100

Start Running Csg  
 Circ on Btm  
 Plug Rat hole - 30 sks  
 Plug Mouse hole - 15 sks  
 pump kel spacer  
 pump Flocheck 21 - 330 GAL  
 pump kel spacer  
 start cmr - 200 sks @ 11.2 PPG  
 Raise ~~wt~~ wt to 11.7 for 100 sks  
 Raise wt to 14 for 135 sks  
 End Cmr

2200

5	10	300
5	8	300
5	5	300
6.5	0	300
6.5	111	350
6.5	158	400
5	196	100

Drop plug / wash P&L  
 Start Disp  
 Circ Cmr  
 land plug 1.44 Psi - 950  
 land Psi - 1500

2310

6.	0	0
6	70	400
5	85	950/1500

Release psi - Dry  
 Circulated 30 sks Cmr to Pit  
 After plug landed Cmr fell Back

*[Handwritten signatures]*





**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 202 South Saint Francis  
 P.O. Box 2757  
 Wichita, KS 67202-4518  
 ATTN: Ed Chesney/Chuck Sch

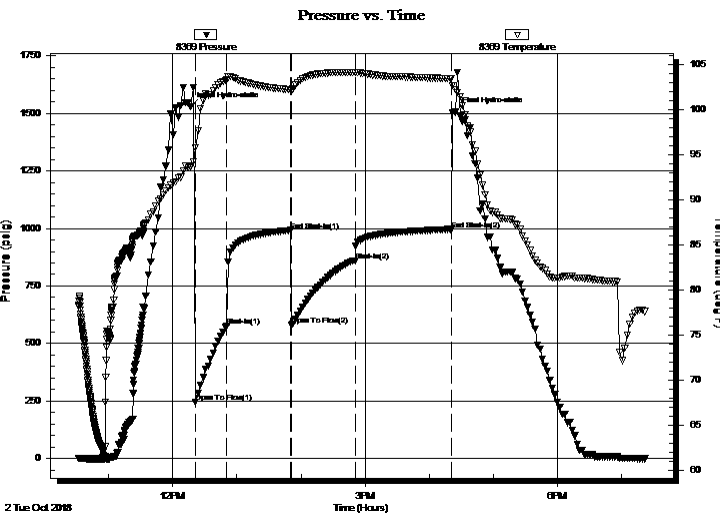
**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
 Job Ticket: 63819 **DST#: 1**  
 Test Start: 2018.10.02 @ 10:32:00

## GENERAL INFORMATION:

Formation: **Toronto & Lansing A-**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 12:21:30  
 Time Test Ended: 19:23:19  
 Interval: **3160.00 ft (KB) To 3300.00 ft (KB) (TVD)**  
 Total Depth: 3300.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 2042.00 ft (KB)  
 2037.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8369 Outside**  
 Press@RunDepth: 860.08 psig @ 3161.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2018.10.02 End Date: 2018.10.02 Last Calib.: 1899.12.30  
 Start Time: 10:32:01 End Time: 19:23:19 Time On Btm: 2018.10.02 @ 12:16:20  
 Time Off Btm: 2018.10.02 @ 16:24:30

**TEST COMMENT:** IF - Weak blow building to strong blow 1 minute into initial flow period. Blow continuing to build to 177 inches during initial open period.  
 FF - Weak blow building to strong blow 2 minutes into final flow period. Continued to build throughout FFP.  
 FS - 3 inch blow back during final shut-in period.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.42	93.69	Initial Hydro-static
6	244.61	95.80	Open To Flow (1)
35	574.89	103.32	Shut-In(1)
95	991.04	102.24	End Shut-In(1)
95	578.77	102.09	Open To Flow (2)
155	860.08	104.13	Shut-In(2)
245	995.66	103.47	End Shut-In(2)
249	1505.74	102.26	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
975.00	G,O & M cut W 10% G 13% O 73% W &	412.06
860.00	G, O & HW cut M 13%G 13%O 33%W &	412.06
5.00	Clean Oil 100% O	0.07

## Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

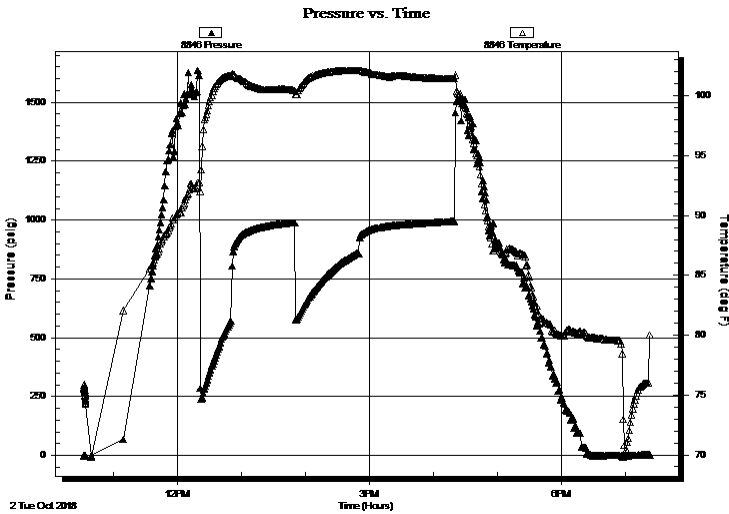
**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63819      **DST#: 1**  
Test Start: 2018.10.02 @ 10:32:00

### GENERAL INFORMATION:

Formation: <b>Toronto &amp; Lansing A-</b>	
Deviated: No Whipstock: ft (KB)	Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 12:21:30	Tester: Jimmy Ricketts
Time Test Ended: 19:23:19	Unit No: 80
<b>Interval: 3160.00 ft (KB) To 3300.00 ft (KB) (TVD)</b>	Reference Elevations: 2042.00 ft (KB)
Total Depth: 3300.00 ft (KB) (TVD)	2037.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair	KB to GR/CF: 5.00 ft

<b>Serial #: 8846</b> Inside			
Press@RunDepth: psig @ 3161.00 ft (KB)	Capacity: 8000.00 psig		
Start Date: 2018.10.02 End Date: 2018.10.02	Last Calib.: 1899.12.30		
Start Time: 10:32:01 End Time: 19:23:30	Time On Btm:		
	Time Off Btm:		

**TEST COMMENT:** IF - Weak blow building to strong blow 1 minute into initial flow period. Blow continuing to build to 177 inches during initial open period.  
FF - Weak blow building to strong blow 2 minutes into final flow period. Continued to build throughout FFP.  
FS - 3 inch blow back during final shut-in period.



### PRESSURE SUMMARY

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

### Recovery

Length (ft)	Description	Volume (bbl)
975.00	G,O & M cut W 10% G 13% O 73% W &	412.06
860.00	G, O & HW cut M 13%G 13%O 33%W &	412.06
5.00	Clean Oil 100% O	0.07

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63819      **DST#: 1**  
Test Start: 2018.10.02 @ 10:32:00

## 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: 57.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

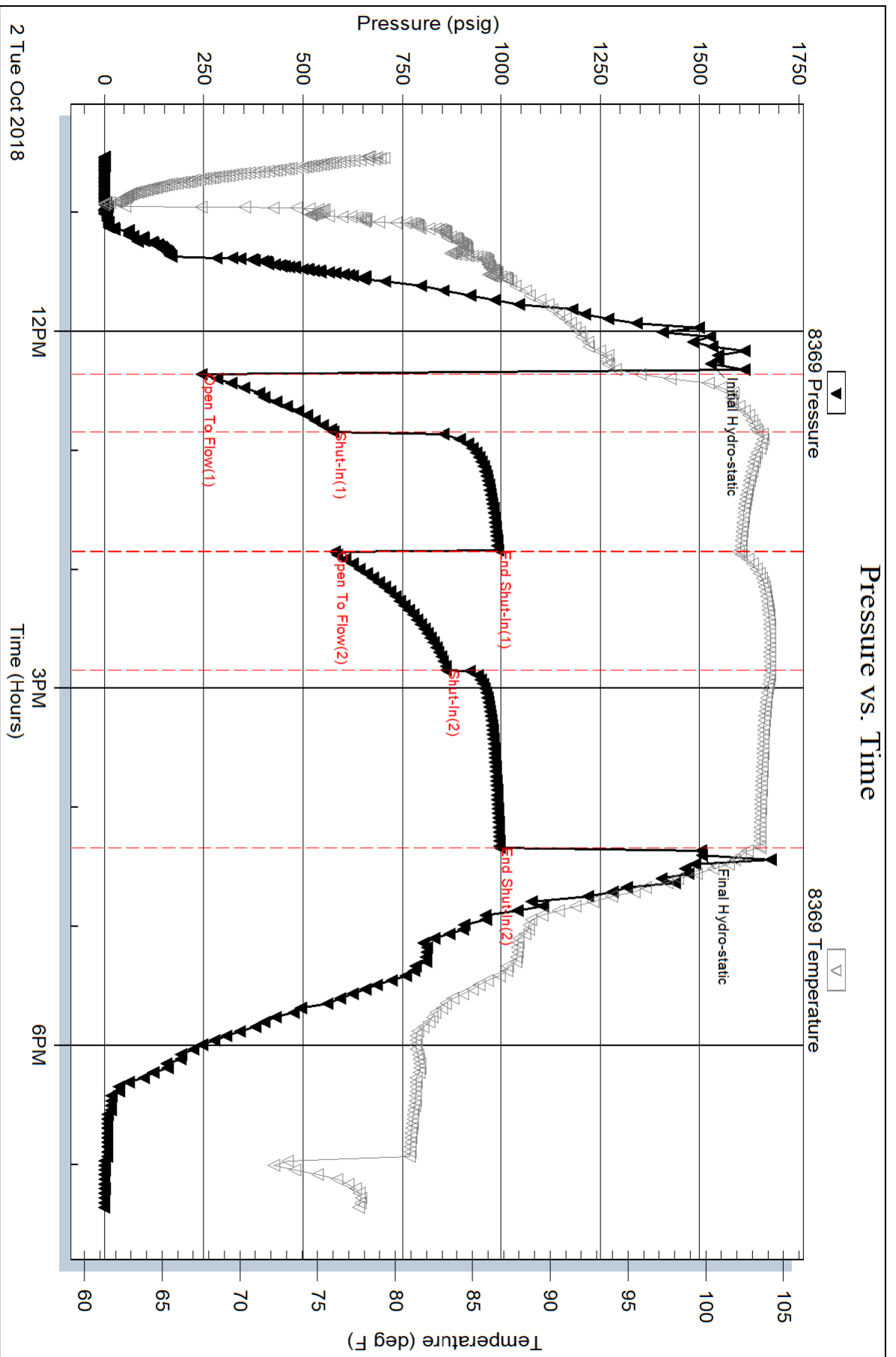
Length ft	Description	Volume bbl
975.00	G, O & M cut W 10% G 13% O 73% W & 4% N	12.055
860.00	G, O & HW cut M 13% G 13% O 33% W & 41%	12.064
5.00	Clean Oil 100% O	0.070

Total Length: 1840.00 ft      Total Volume: 24.189 bbl

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

Laboratory Name:      Laboratory Location:

Recovery Comments:



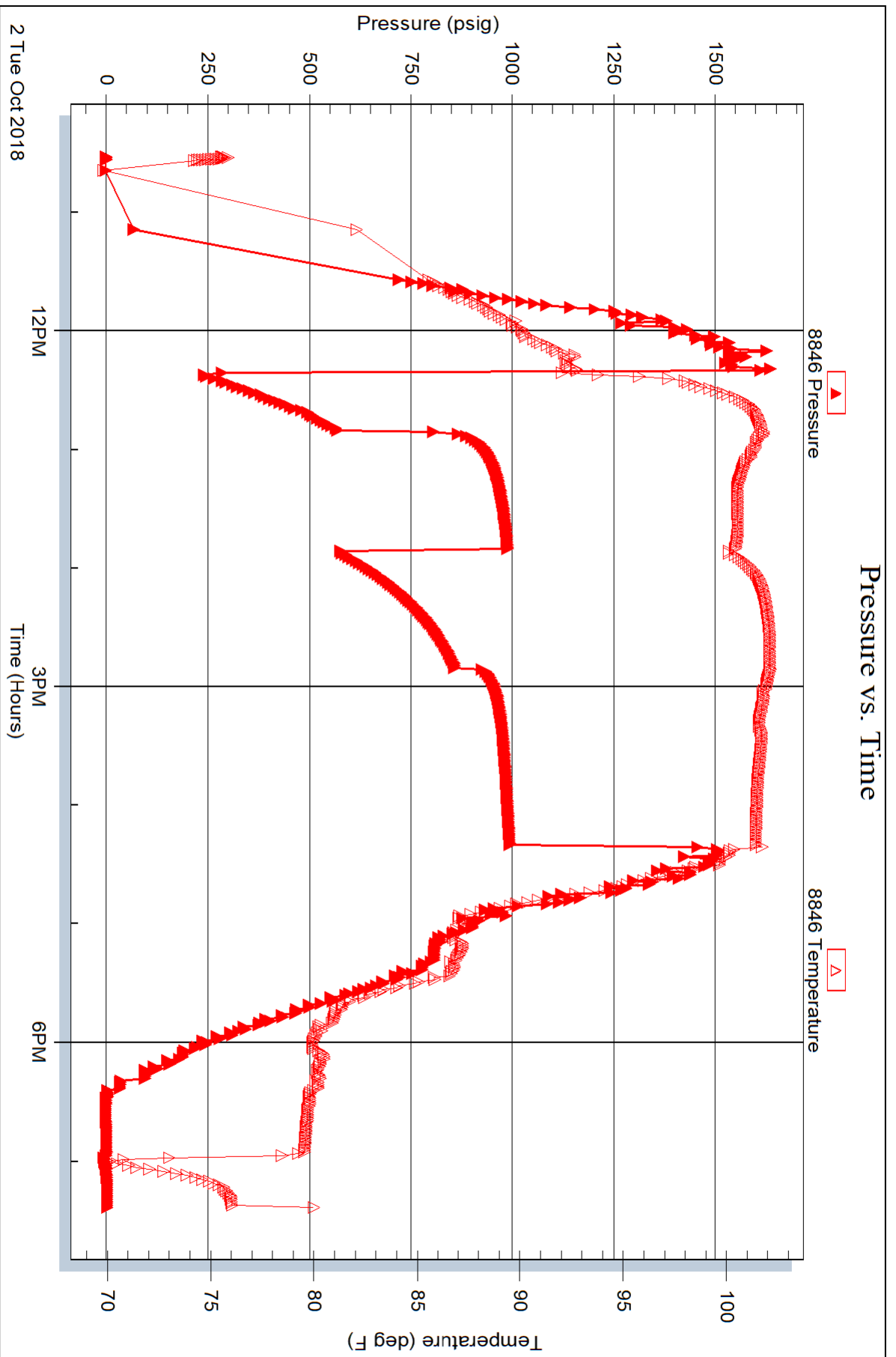
Serial #: 8846

Inside

Gore Oil Company

Barc Unit #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63819

Printed: 2018.10.02 @ 21:06:51



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63820      **DST#: 2**  
Test Start: 2018.10.03 @ 08:20:00

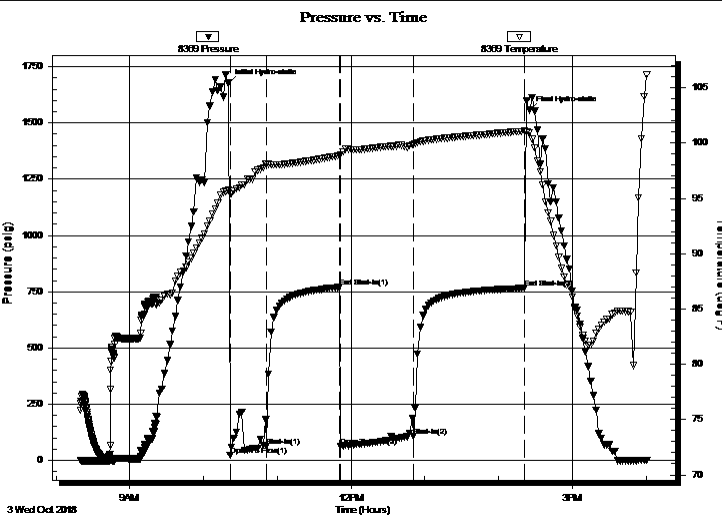
## GENERAL INFORMATION:

Formation: **Lansing H-K**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 10:21:30  
Time Test Ended: 16:02:20  
Interval: **3318.00 ft (KB) To 3410.00 ft (KB) (TVD)**  
Total Depth: 3410.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2042.00 ft (KB)  
2037.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80

## Serial #: 8369 Outside

Press@RunDepth: 108.74 psig @ 3319.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2018.10.03 End Date: 2018.10.03 Last Calib.: 1899.12.30  
Start Time: 08:20:01 End Time: 16:02:20 Time On Btm: 2018.10.03 @ 10:20:30  
Time Off Btm: 2018.10.03 @ 14:25:20

TEST COMMENT: IF - Weak blow building to 4 inches initial flow period.  
FF - No blow building to 3 inches final flow period.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1674.66	95.74	Initial Hydro-static
1	24.26	95.39	Open To Flow (1)
31	64.28	98.08	Shut-In(1)
90	769.98	98.85	End Shut-In(1)
91	63.22	98.98	Open To Flow (2)
150	108.74	99.84	Shut-In(2)
241	765.23	101.08	End Shut-In(2)
245	1556.13	100.96	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
140.00	Slight oil cut mud 1% O & 99% M	0.69
0.00	50' GIP	0.00

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 202 South Saint Francis  
 P.O. Box 2757  
 Wichita, KS 67202-4518  
 ATTN: Ed Chesney/Chuck Sch

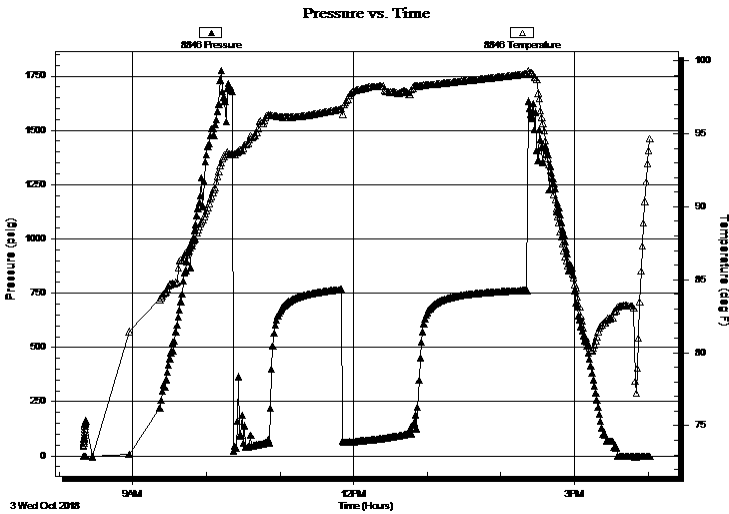
**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
 Job Ticket: 63820      **DST#: 2**  
 Test Start: 2018.10.03 @ 08:20:00

### GENERAL INFORMATION:

<b>Formation:</b> <b>Lansing H-K</b>		
Deviated:      No      Whipstock:      ft (KB)		Test Type:      Conventional Bottom Hole (Initial)
Time Tool Opened: 10:21:30		Tester:      Jimmy Ricketts
Time Test Ended: 16:02:20		Unit No:      80
<b>Interval:</b> <b>3318.00 ft (KB) To 3410.00 ft (KB) (TVD)</b>		Reference Elevations:      2042.00 ft (KB)
Total Depth:      3410.00 ft (KB) (TVD)		2037.00 ft (CF)
Hole Diameter:      7.88 inches	Hole Condition:      Fair	KB to GR/CF:      5.00 ft

<b>Serial #: 8846</b> <b>Inside</b>				
Press@RunDepth:      psig @      3319.00 ft (KB)		Capacity:      8000.00 psig		
Start Date:      2018.10.03      End Date:      2018.10.03		Last Calib.:      1899.12.30		
Start Time:      08:20:01      End Time:      16:01:50		Time On Btm:		
		Time Off Btm:		

**TEST COMMENT:** IF - Weak blow building to 4 inches initial flow period.  
 FF - No blow building to 3 inches final flow period.



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

Recovery		
Length (ft)	Description	Volume (bbl)
140.00	Slight oil cut mud 1% O & 99% M	0.69
0.00	50' GIP	0.00

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63820      **DST#: 2**  
Test Start: 2018.10.03 @ 08:20:00

## 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: 61.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2200.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	Slight oil cut mud 1% O & 99% M	0.688
0.00	50' GIP	0.000

Total Length: 140.00 ft      Total Volume: 0.688 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

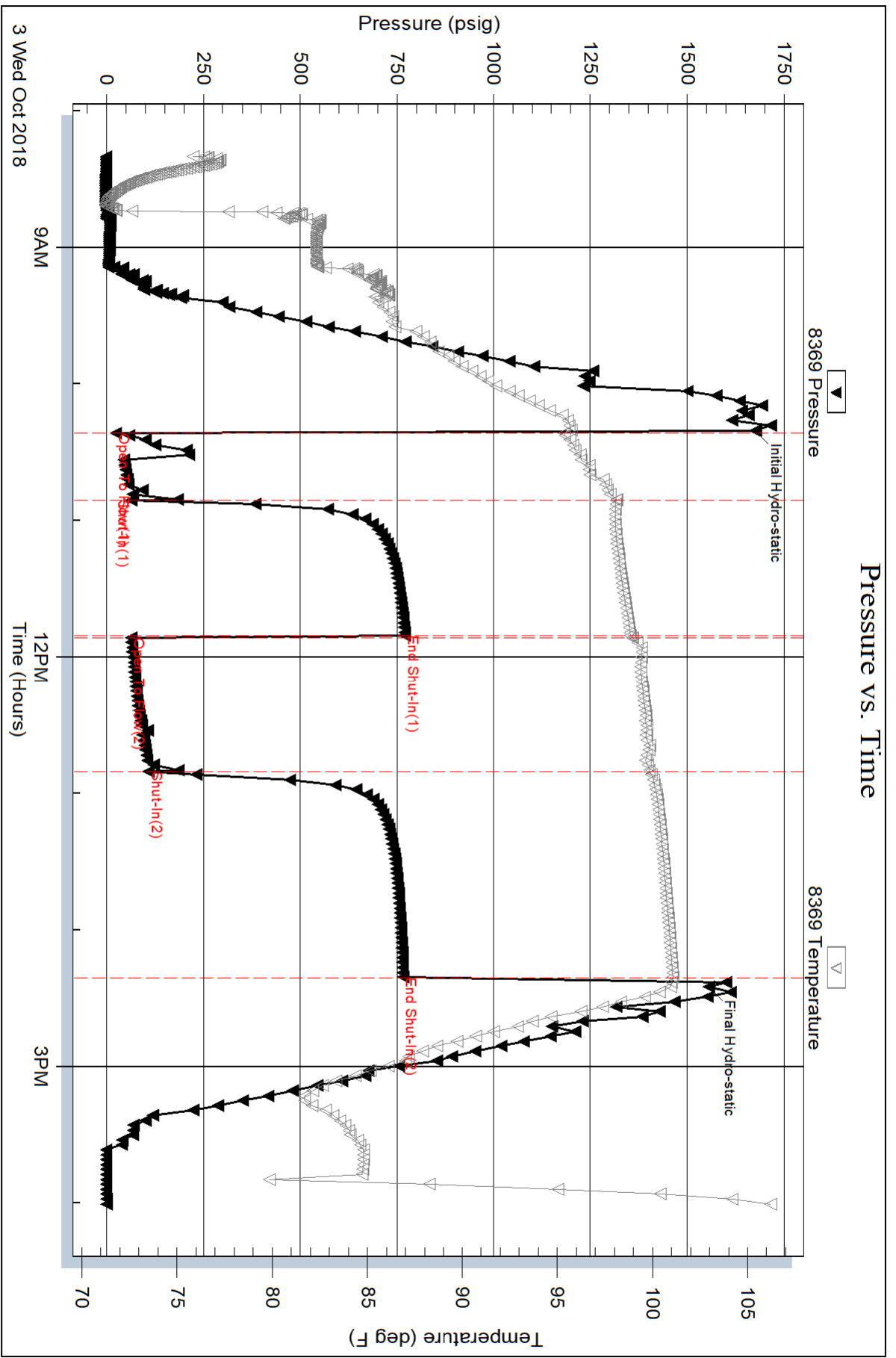


Serial #: 8369

Outside Gore Oil Company

Barc Unit #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63820

Printed: 2018.10.03 @ 16:34:30

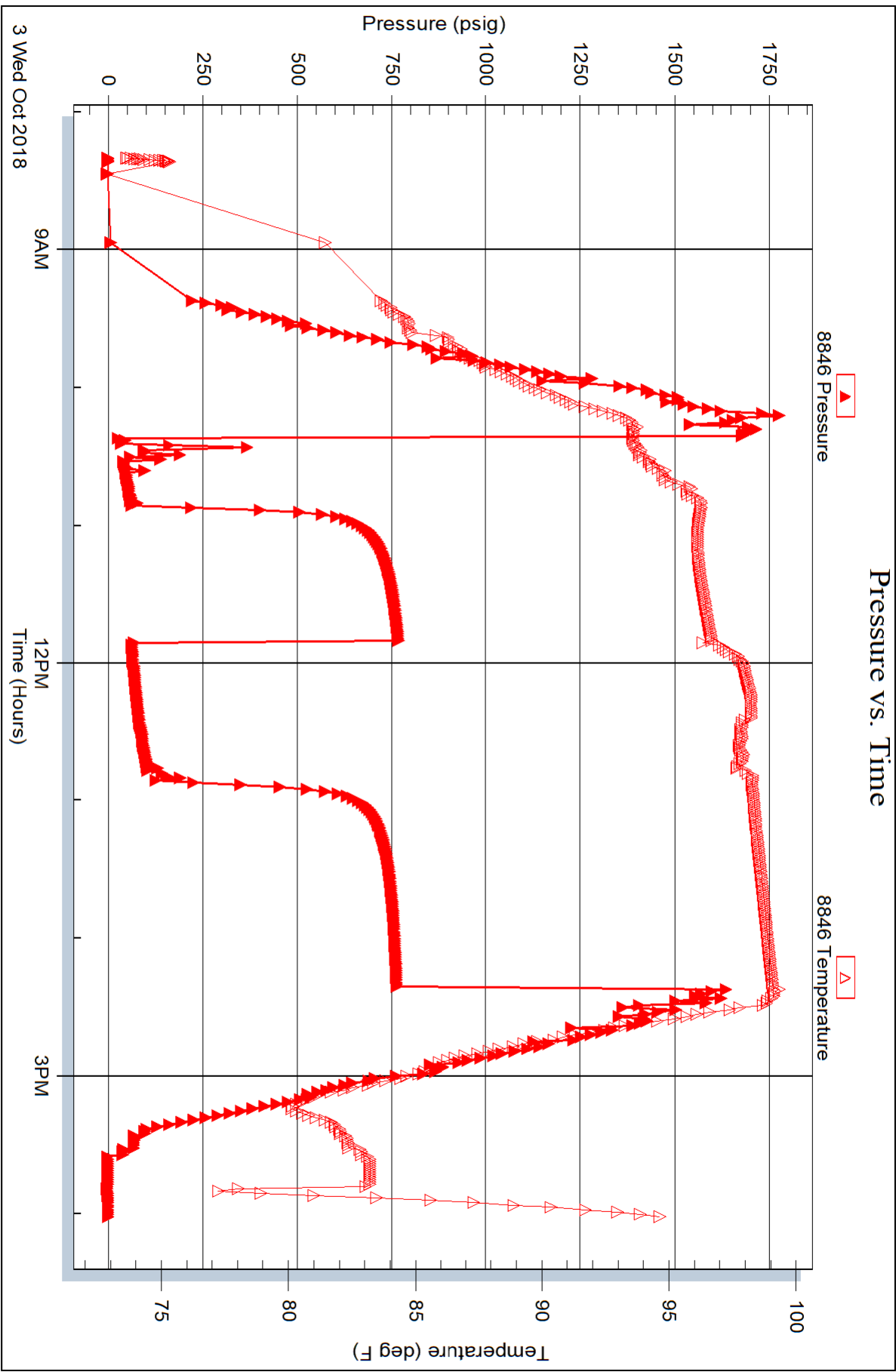
Serial #: 8846

Inside

Gore Oil Company

Barc Unit #1

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 63820

Printed: 2018.10.03 @ 16:34:30



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Gore Oil Company  
 202 South Saint Francis  
 P.O. Box 2757  
 Wichita, KS 67202-4518  
 ATTN: Ed Chesney/Chuck Sch

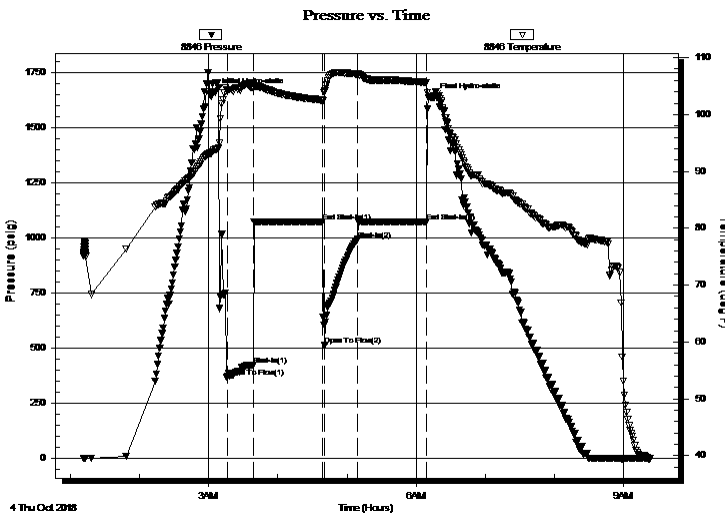
**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
 Job Ticket: 63821 **DST#: 3**  
 Test Start: 2018.10.04 @ 01:11:00

## GENERAL INFORMATION:

Formation: **Arbuckle**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 03:15:50  
 Time Test Ended: 09:23:20  
 Interval: **3408.00 ft (KB) To 3465.00 ft (KB) (TVD)**  
 Total Depth: 3465.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Jimmy Ricketts  
 Unit No: 80  
 Reference Elevations: 2042.00 ft (KB)  
 2037.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 8846 Inside**  
 Press@RunDepth: 991.40 psig @ 3409.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2018.10.04 End Date: 2018.10.04 Last Calib.: 2018.10.04  
 Start Time: 01:11:01 End Time: 09:23:20 Time On Btm: 2018.10.04 @ 03:05:30  
 Time Off Btm: 2018.10.04 @ 06:14:39

**TEST COMMENT:** IF - Strong blow throughout initial flow period. Slid 6 feet upon opening tool. Continued to build to 112 inches.  
 FF - Strong blow throughout final flow period. Climbed past 200 inches.



## PRESSURE SUMMARY

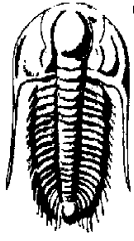
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1655.32	93.82	Initial Hydro-static
11	365.74	104.13	Open To Flow (1)
34	422.64	104.77	Shut-In(1)
94	1071.19	102.54	End Shut-In(1)
96	512.16	104.26	Open To Flow (2)
124	991.40	107.08	Shut-In(2)
184	1071.38	105.63	End Shut-In(2)
190	1633.63	103.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
490.00	Slight O & M cut W 1%O 99%W & 1%M	5.25
310.00	M & heavy O cut W 44%O 49%W & 7%M	4.35
1250.00	G, O & M cut W 13%G 12%O 65%W & 10%M	17.53
155.00	Mud w ith trace oil TR O & 100% M	2.17

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

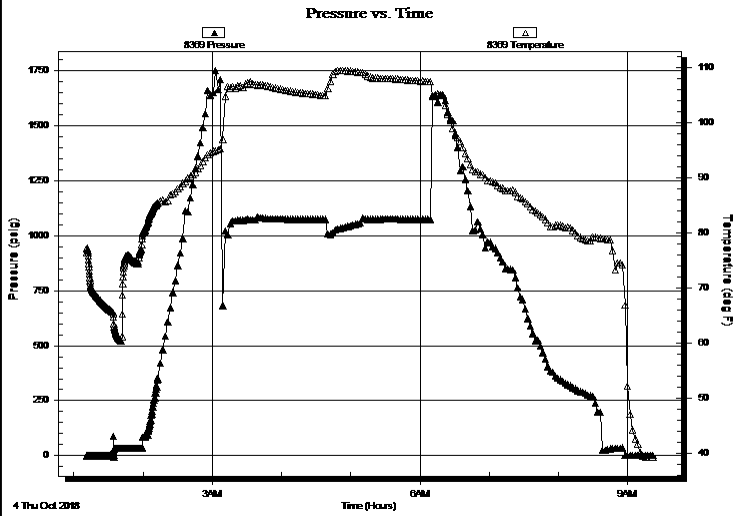
**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63821 **DST#: 3**  
Test Start: 2018.10.04 @ 01:11:00

### GENERAL INFORMATION:

Formation: <b>Arbuckle</b>	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Jimmy Ricketts
Time Tool Opened: 03:15:50	Unit No: 80
Time Test Ended: 09:23:20	Reference Elevations: 2042.00 ft (KB) 2037.00 ft (CF)
<b>Interval: 3408.00 ft (KB) To 3465.00 ft (KB) (TVD)</b>	KB to GR/CF: 5.00 ft
Total Depth: 3465.00 ft (KB) (TVD)	
Hole Diameter: 7.88 inches	Hole Condition: Fair

<b>Serial #: 8369</b>	<b>Outside</b>		
Press@RunDepth: psig @ 3409.00 ft (KB)	Capacity: 8000.00 psig		
Start Date: 2018.10.04	End Date: 2018.10.04	Last Calib.: 1899.12.30	
Start Time: 01:11:01	End Time: 09:23:50	Time On Btm:	
		Time Off Btm:	

**TEST COMMENT:** IF - Strong blow throughout initial flow period. Slid 6 feet upon opening tool. Continued to build to 112 inches.  
FF - Strong blow throughout final flow period. Climbed past 200 inches.



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

Recovery		
Length (ft)	Description	Volume (bbl)
490.00	Slight O & M cut W 1%O 99%W & 1%M	5.25
310.00	M & heavy O cut W 44%O 49%W & 7%	M4.35
1250.00	G, O & M cut W 13%G 12%O 65%W & 1%	C17.53
155.00	Mud w ith trace oil TR O & 100% M	2.17

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company

**10/9S/19W Rooks, KS**

202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518

**Barc Unit #1**

Job Ticket: 63821

**DST#: 3**

ATTN: Ed Chesney/Chuck Sch

Test Start: 2018.10.04 @ 01:11:00

## 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:

74000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.00 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
490.00	Slight O & M cut W 1%O 99%W & 1%M	5.252
310.00	M & heavy O cut W 44%O 49%W & 7%M	4.348
1250.00	G, O & M cut W 13%G 12%O 65%W & 10%M	17.534
155.00	Mud with trace oil TR O & 100% M	2.174

Total Length: 2205.00 ft

Total Volume: 29.308 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

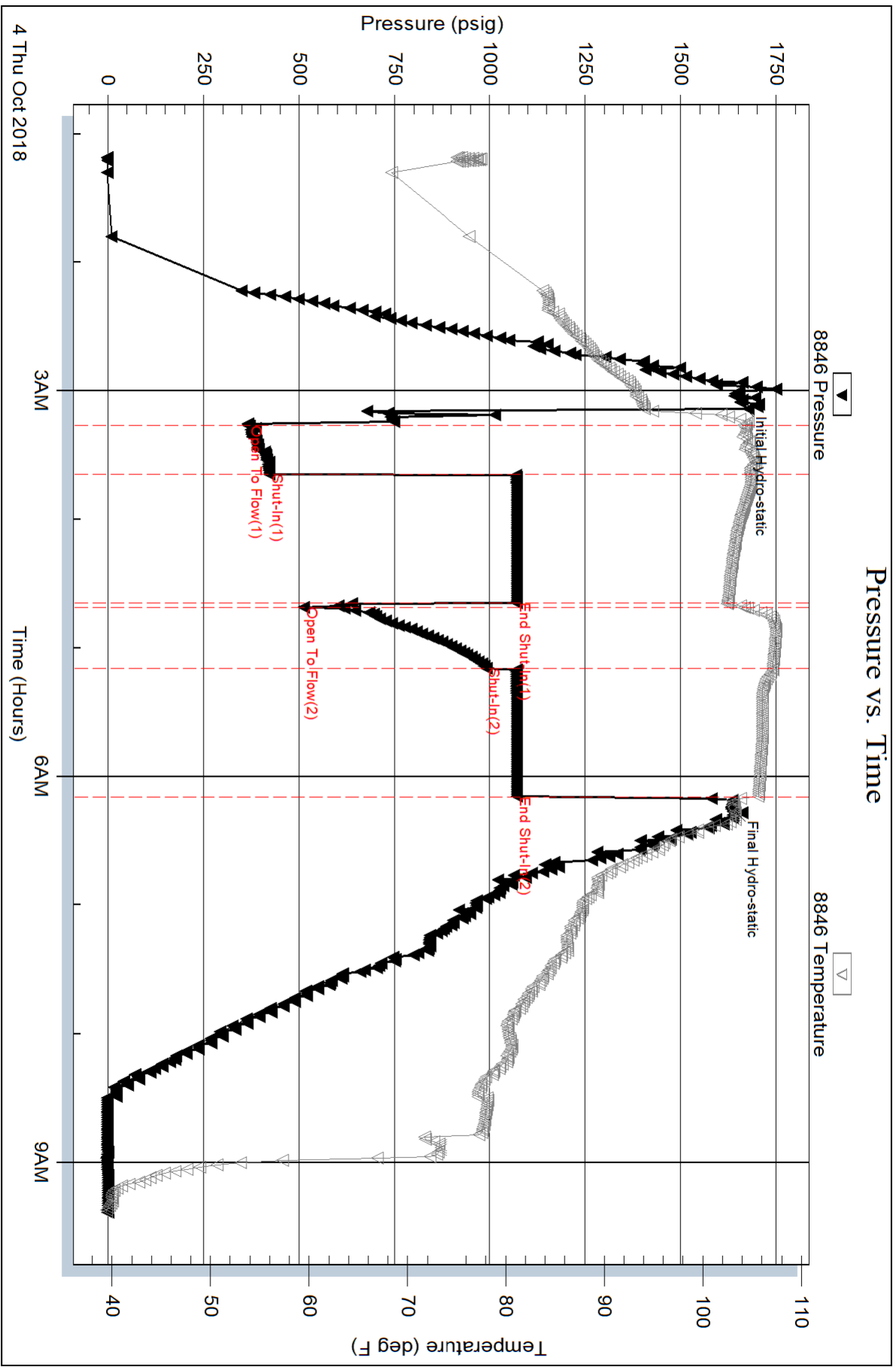
Serial #: 8846

Inside

Gore Oil Company

Barc Unit #1

DST Test Number: 3

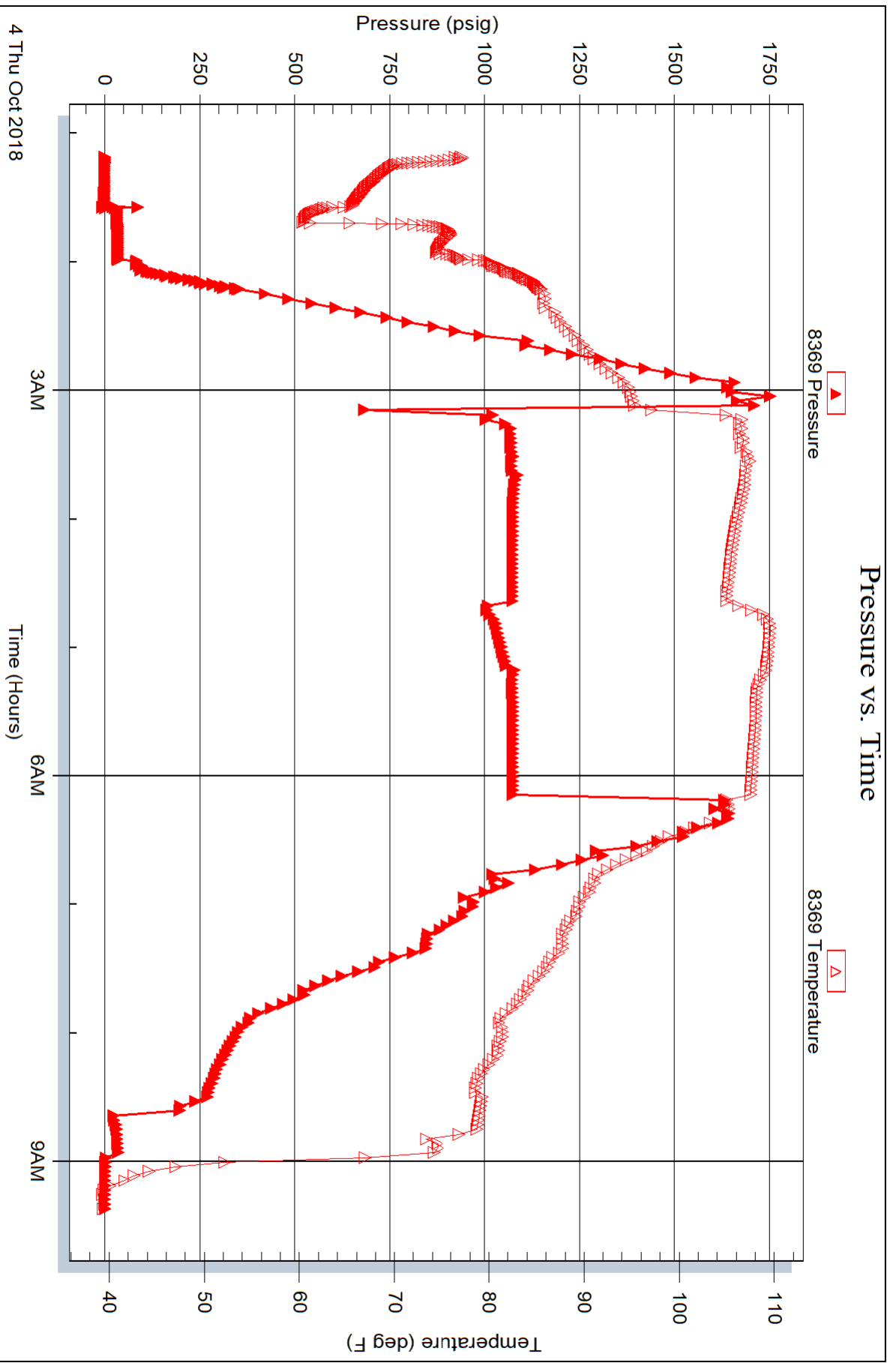


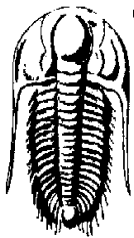
Serial #: 8369

Outside Gore Oil Company

Barc Unit #1

DST Test Number: 3





**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

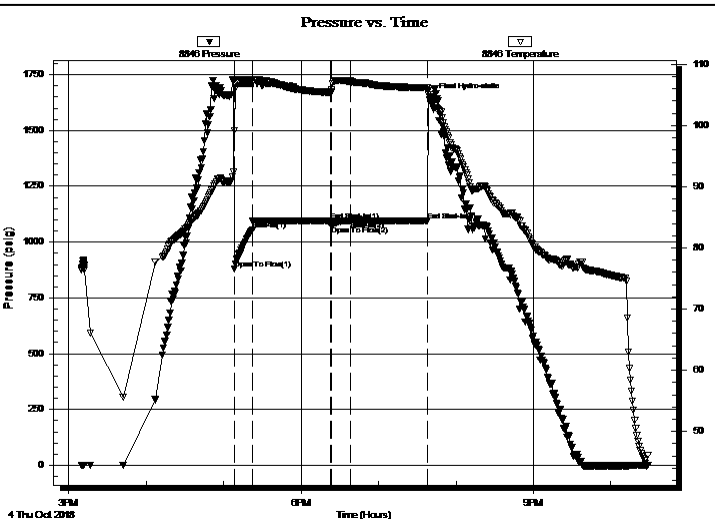
**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63822 **DST#: 4**  
Test Start: 2018.10.04 @ 15:10:00

**GENERAL INFORMATION:**

Formation: **Arbuckle**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 17:08:30  
Time Test Ended: 22:28:30  
Interval: **3465.00 ft (KB) To 3477.00 ft (KB) (TVD)**  
Total Depth: 3477.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80  
Reference Elevations: 2042.00 ft (KB)  
2037.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8846 Inside**  
Press@RunDepth: 1096.76 psig @ 3466.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2018.10.04 End Date: 2018.10.04 Last Calib.: 1899.12.30  
Start Time: 15:10:01 End Time: 22:28:30 Time On Btm: 2018.10.04 @ 17:04:20  
Time Off Btm: 2018.10.04 @ 19:41:30

**TEST COMMENT:** IF - Strong blow throughout initial flow period. Continued to build throughout opening.  
FF - Strong blow throughout final flow period. Built to 145 inches then leveled off.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1654.02	90.85	Initial Hydro-static
5	880.56	99.13	Open To Flow (1)
18	1054.36	107.51	Shut-In(1)
79	1096.59	105.41	End Shut-In(1)
79	1072.71	105.43	Open To Flow (2)
94	1096.76	107.24	Shut-In(2)
154	1096.39	106.13	End Shut-In(2)
158	1647.86	103.76	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
2030.00	Oil specked w ater TR O & 100% W	26.31
300.00	O specked H M cut W TR O 58% W & 42%	29.21

**Gas Rates**

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





**TRILOBITE**  
TESTING, INC.

# DRILL STEM TEST REPORT

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63822      **DST#: 4**  
Test Start: 2018.10.04 @ 15:10:00

**GENERAL INFORMATION:**

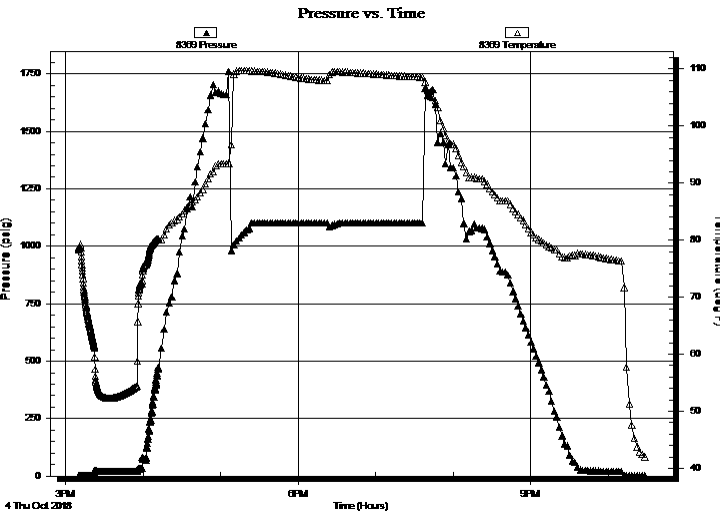
Formation: **Arbuckle**  
Deviated: No Whipstock:                                  ft (KB)  
Time Tool Opened: 17:08:30  
Time Test Ended: 22:28:30  
**Interval: 3465.00 ft (KB) To 3477.00 ft (KB) (TVD)**  
Total Depth: 3477.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
Tester: Jimmy Ricketts  
Unit No: 80  
Reference Elevations: 2042.00 ft (KB)  
2037.00 ft (CF)  
KB to GR/CF: 5.00 ft

**Serial #: 8369      Outside**

Press@RunDepth:                                  psig @    3466.00 ft (KB)      Capacity:                                  8000.00 psig  
Start Date:                                  2018.10.04      End Date:                                  2018.10.04      Last Calib.:                                  1899.12.30  
Start Time:                                  15:10:01      End Time:                                  22:28:50      Time On Btm:  
Time Off Btm:

**TEST COMMENT:** IF - Strong blow throughout initial flow period. Continued to build throughout opening.  
FF - Strong blow throughout final flow period. Built to 145 inches then leveled off.



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

Recovery		
Length (ft)	Description	Volume (bbl)
2030.00	Oil specked w ater TR O & 100% W	26.31
300.00	O specked H M cut W TR O 58% W & 42%	29.21

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



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Gore Oil Company  
202 South Saint Francis  
P.O. Box 2757  
Wichita, KS 67202-4518  
ATTN: Ed Chesney/Chuck Sch

**10/9S/19W Rooks, KS**  
**Barc Unit #1**  
Job Ticket: 63822      **DST#: 4**  
Test Start: 2018.10.04 @ 15:10:00

## 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:	70000 ppm
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2100.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2030.00	Oil specked w ater TR O & 100% W	26.307
300.00	O specked H M cut W TR O 58% W & 42% M	4.208

Total Length: 2330.00 ft      Total Volume: 30.515 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

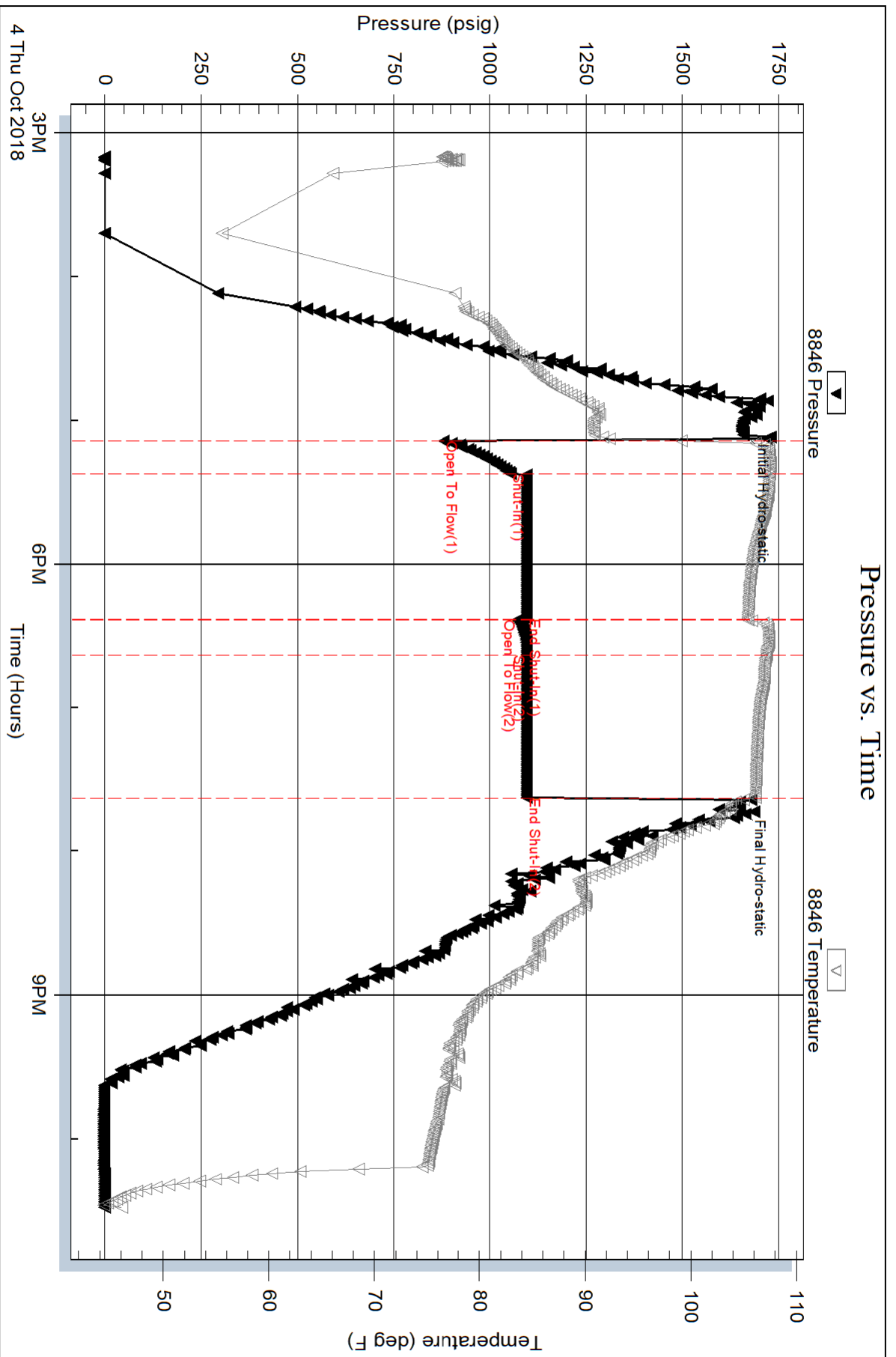
Serial #: 8846

Inside

Gore Oil Company

Barc Unit #1

DST Test Number: 4

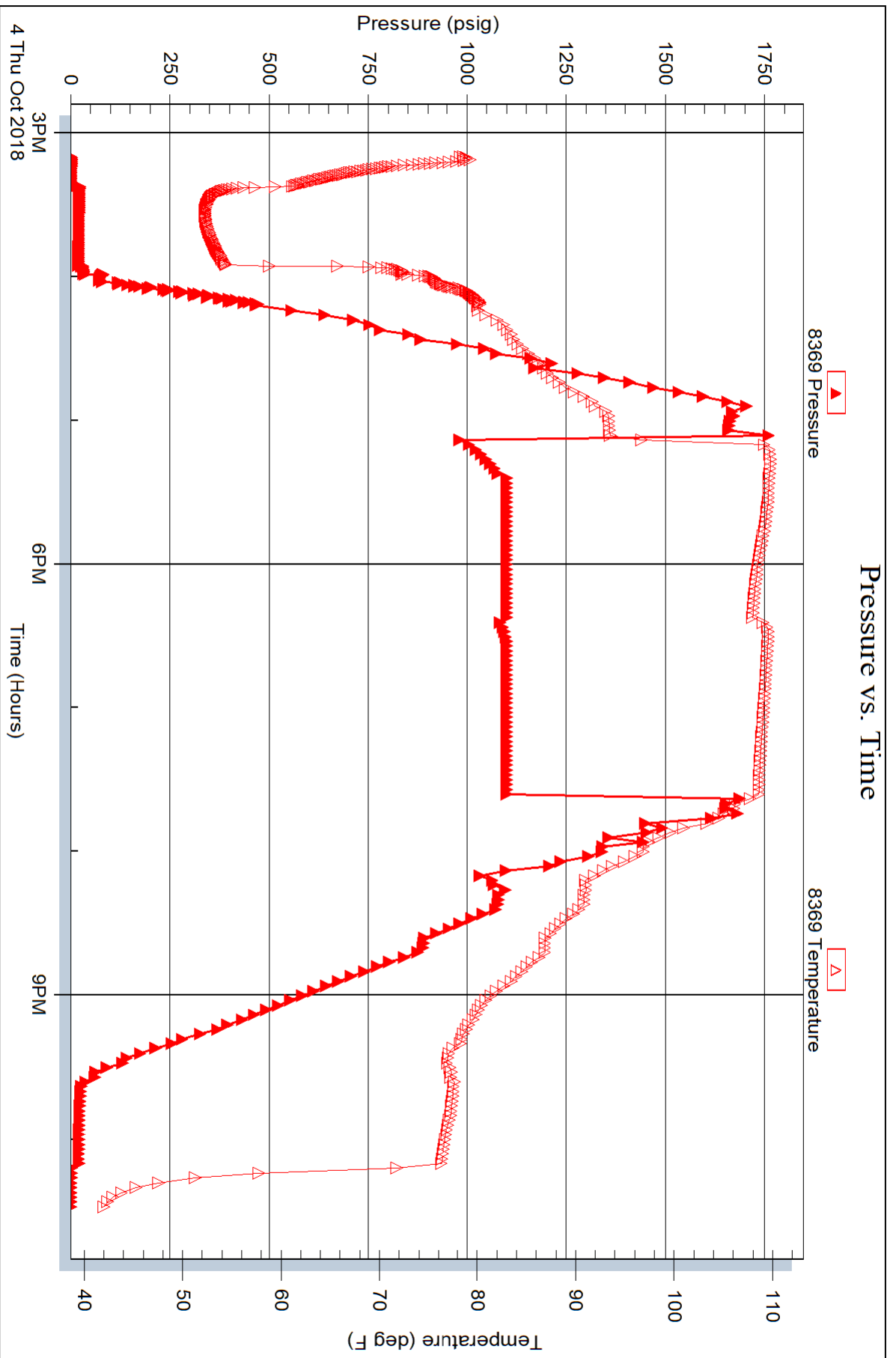


Serial #: 8369

Outside Gore Oil Company

Barc Unit #1

DST Test Number: 4





**CHARLES SCHMALTZ**  
CONSULTING GEOLOGIST  
WICHITA, KANSAS

GEOLOGIC  
REPORT  
LOG

COMPANY - **GORE OIL Co.**  
WELL - **BARC Unit #1**  
FIELD - **BARREY WEST**

LOCATION - **798 1/2 N1L 28D1 FWL**  
SEC - **10** TWP - **9S** RGE - **19W**  
COUNTY - **ROCKS**  
STATE - **KANSAS**  
AP # - **15-163-24372**

PRODUCTION:  
ELEVATION: 2042'  
DATE MEASURED: 10-20-67  
SHALES THICK FROM: 10-2000' TO 810'  
SANDS THICK FROM: 1-2800' TO 810'  
SHALE SANDS FROM: 1-2800' TO 810'  
SANDS SANDS FROM: 1-2800' TO 810'  
SANDS SANDS FROM: 1-2800' TO 810'  
SANDS SANDS FROM: 1-2800' TO 810'  
SANDS SANDS FROM: 1-2800' TO 810'  
SANDS SANDS FROM: 1-2800' TO 810'  
SANDS SANDS FROM: 1-2800' TO 810'

FORMATION TOPS & STRUCTURAL POSITION  
ANHYDRITE - TOP 1444'  
ANHYDRITE - BASE 1480'  
TOPEKA SH 3162'  
TORONTO 3184'  
LANSING 3202'  
ARBUCKLE 3445'  
TOTAL DEPTH 3575'

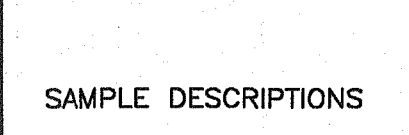
FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA POSITION	STRUCTURAL POSITION
ANHYDRITE - TOP	1444'	1471'	+543'	-12'
ANHYDRITE - BASE	1480'	1471'	+543'	-1'
TOPEKA SH	2162'	2162'	-916'	-1'
HEEBNER SH	3162'	3162'	-1120'	-4'
TORONTO	3184'	3184'	-1140'	-7'
LANSING	3202'	3202'	-1190'	-3'
ARBUCKLE	3445'	3445'	-1382'	-4'
ARBUCKLE	3445'	3445'	-1401'	-4'
TOTAL DEPTH	3575'	3575'	-1533'	-17'

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	PIPE STRAPS
1	1 1/4"	VADREL	CHD	260'	260'	3	@ 2115' : 1 1/2" SHORT
2	1 1/8"	HTC	DP506	2115'	2115'	20	@ 2115' - 1" @ 2115 - 3/4" @ 3575 - 1"
3	1 1/8"	HTC	6X-206	3575'	860'	21	

DATE	WELL & FIELD	NO	DATE	WELL & FIELD	NO	DATE	WELL & FIELD
9/28	MILET & SPUD	4	10-1	3020	DBLS	9/1	6/1 11/10 10/15 10*
9/29	450 - DBLS	4	10-1	3020	DBLS	9/1	6/1 11/10 10/15 10*
9/30	2885 - DBLS	5	10-2	3300	DBLS	9/1	6/1 11/10 10/15 10*
10/1	3020 - DBLS	6	10-3	3300	DBLS	9/1	6/1 11/10 10/15 10*
10/2	3000 - SENSITIVE	7	10-4	3465	DST #3	9/1	6/1 11/10 10/15 10*
10/3	3445 - DST #2	8	10-5	3575	LANSING	9/1	6/1 11/10 10/15 10*
10/5	3575 - DST #4						

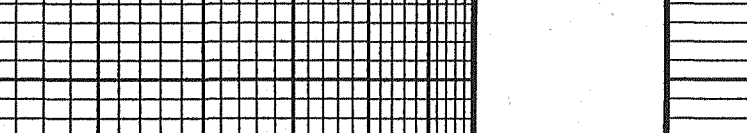
NO	DATE	WELL & FIELD	NO	DATE	WELL & FIELD	NO	DATE	WELL & FIELD
1	10/1	3020	DBLS	9/1	6/1 11/10 10/15 10*			
2	10/2	3000	SENSITIVE	7	10-4 3465 DST #3			
3	10/3	3445	DST #2	8	10-5 3575 LANSING			
4	10/5	3575	DST #4					

**LEGEND**

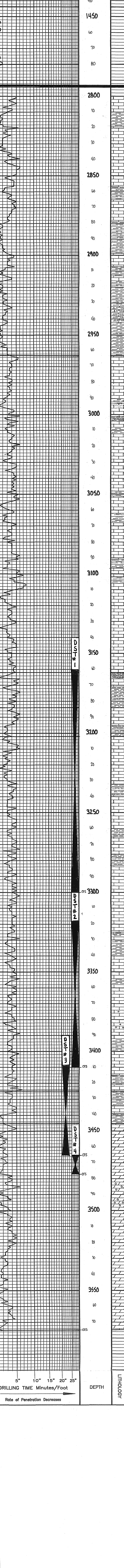


Anhydrite Salt Sandstone Shale Carb sh Limestone Ool. Lime Chert Dolomite

DRILLING TIME IN MINUTES PER FOOT  
Rate of Penetration Decreases



DEPTH



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS
1444	ANHYDRITE - TOP (+598)	
1480	ANHYDRITE - BASE (+562)	
2800		ls: tan, grey, fm-med xtn, sh foss, no vis θ, no show sh: lt grey, "gummy" in part ls: wh off wh, tan, fm-med xtn, sh calcite, foss in part, pr-fr interxtn, θ; no show ls: as above; w/ pr-fr interxtn θ, no show; scat ls: wh, fin xtn, chalky & w/ chert ls: tan, lt brown, fm-med xtn, sh, foss, sh calcite, no vis θ, no show ls: as above; w/ sh: lt grey, grey, silty sh: as above; w/ ls: tan, brown, grey, foss, fragmental, well cemented, no show ls: as above; no vis θ, no show sh: lt grey, grey, silty, w/ siltstone / vfn grained ss; grey, well-sorted, friable, shaley in part sh w/ siltstone / vfn grained ss as above
2900		ls: tan, brown, grey, fm-med xtn, sh, foss, pelletal no vis θ, no show sh: grey, dk grey, w/ ss: grey, grey-green vfn grained, friable, no vis θ, no show; w/ ls: brown, dk grey, fm-med xtn, dense sh: grey, dk grey, silty / sandy in part w/ ss / siltstone; as above sh: grey, dk grey, brown, calc in part, w/ ls: grey, dk grey, shaley, no vis θ sh: grey, dk grey, silty / sh sandy
2950		sh: as above; w/ ls: brown, pelletal, shaley in part; no vis θ; no show ls: tan, brown, grey, fm-med xtn, dense; no vis θ; no show ls: lt grey, tan, dk grey, vfn-fxtln, dense ls: as above; w/ ls: wh, off wh, fin xtn, chalky sh: grey ls: grey, med xtn, pelletal, foss, no vis θ; ls: tan, lt brown, med xtn, calcitic, pr-fr interxtn θ, n.s. sh: grey, dk grey, black ls: tan, lt grey, vfn-fxtln, dense, w/ sh: grey ls: tan, brown, grey, med xtn, foss, no vis θ; no show ls: as above; w/ scat ls: lt brown, vfn xtn, dense; ls: brown, lt grey, med xtn, sh, calcite, scat app pr interxtn θ; no show ls: tan, brown, lt grey, fm-med xtn, sh, foss, calcitic; no vis θ; no show ls: tan, brown, med xtn, fragmental, foss, calcite, cement, no vis θ; no show; sh: grey, dk grey ls: as above; pr-fr interxtn θ, no show considerable. lt grey, fin xtn, chalky ls ls: lt grey, vfn-fxtln; w/ scat sh: grey, green-grey ls: lt grey, off wh, vfn-fxtln, foss, sh, calcite, well cemented, no vis θ; no show ls: tan, lt grey, vfn-fxtln, sh, calcite, w/ scat sh: grey, some dk grey ls: tan, grey, fm-med xtn, sh, calcite, dense sh: grey, dk grey, few pcs black ls: tan, lt grey, fm-med xtn, dense ls: tan, some grey, brown, fm-med xtn, pelletal in part, pr-fr interxtn / interxtn θ, fr-st & sat, s-fsfo, fr odor ls: grey, tan, vfn-fxtln, some med xtn, no vis θ, no show ls: tan, brown, fm-med xtn, granular in part, scat pr interxtn / intergranular θ, pr-fr-st w/ some sat, ysfso, v fr odor ls: tan, grey, fm-med xtn, sh, calcite, no vis θ, no show ls: tan, lt grey, fm-med xtn, chalky in part, no vis θ, no show
3100		sh: black, dk grey ls: lt grey, tan, fm-med xtn, dense sh: grey, green; sh: lt grey, brown, gummy in part sh: as above ls: off wh, tan, brown, fm-med xtn, sh, calcite, pr-fr interxtn θ, some vuggy θ, fr-st & sat s-fsfo ad odor sh: grey, green-grey, some silty
3200		ls: tan, off wh, fm-med xtn, sh, foss, pr-fr interxtn θ, vuggy θ; pr-fr-st & sat, fr oil film on w/ after break, fr odor ls: tan, lt grey, fm-med xtn, few pcs w/ pr-ppt θ, pr fr-st; no show free oil, few pcs dolo: lt brown, vfn-fxtln, vpr-pr interxtn θ, fr even st & sat; sh oil film on w/ after break, fr odor sh: grey, green, some brown; w/ ls: dk grey, med xtn, mottled, shaley in part, dense ls: off wh, tan, fm-med xtn, app pr-fr interxtn θ, vuggy θ, scat pr-fr-st w/ fr patchy sat, s-fsfo, w/ occasional gas bubbles, fr odor ls: tan, grey, vfn-fxtln, no vis θ, no show sh: grey, green; w/ greenish-grey, shaley ls: ls: tan, lt grey, fm-med xtn, sh, foss, scat pr-ppt & interxtn θ, pr fr-st, no show free oil, no odor sh: grey, pale green, "gummy" w/ scat ls: lt green-grey, shaley, dense ls: tan, lt brown, fm-med xtn, pr interxtn θ, vuggy θ; scat pr-fr-st w/ patchy sat, w/ patchy sat; vsg ppts fd, vry fr odor ls: tan, lt brown, fm-med xtn, no vis θ, no show sh: grey, dk grey, some green w/ scat ls: pellets imbedded
3300		ls: off wh, tan, lt grey, fm-med xtn, tr-pr interxtn θ, fr black st, ysfso ls: tan, lt grey, brown, vfn-fxtln, no vis θ, no show ls: as above sh: dk grey, black ls: dk brown, dk grey, fm-med xtn, dense sh: lt grey, grey, some "gummy"
3350		ls: lt grey, tan, fm-med xtn, calcite in part, most dense, scat pcs w/ pr-fr interxtn θ, interxtn θ, pr-fr-st & sat, s-fsfo, fr odor ls: tan, lt grey, fm-med xtn, no vis θ, n.s. sh: grey, lt grey, green-grey ls: lt grey, tan, brown, vfn-fxtln, mostly dense; few pcs w/ pr-ppt vuggy θ, scat fr stain, no show fd ls: tan, lt grey, fm-med xtn, sh, calcite, vry scat pr interxtn θ, ooc θ, pr-st & sat, fr oil film on w/ after break, no odor ls: tan, lt grey, fm-med xtn, calcite in part, pr-st & sat w/ pr-fr interxtn θ, ooc θ, pr-fr-st & sat, s-fsfo, fr odor sh: grey, dk grey, some green w/ scat ls: pellets imbedded
3400		ls: off wh, lt grey, tan, vfn-fxtln, dense; few pcs chalky in part ls: tan, lt grey, vfn-fxtln, some med xtn, dense ls: tan, fm-med xtn, few pcs w/ fr interxtn θ, fr-st & sat, s-fsfo, no odor sh: grey, green, some dk grey, brown ls: tan, lt grey, med xtn, calcite / pelletal, no vis θ, no show sh: grey, green, silty in part, some brown, rust dolo: tan, fm-med xtn, dense dolo: lt grey, tan, fm-med xtn, fr-scat gd interxtn θ; gd st & full sat, s-fsfo, w/ PFG on break, ad odor dolo: as above; w/ sh: tan, fm-med xtn, dense dolo: mostly lt grey, some tan, fm-med xtn, gd interxtn θ; w/ scat large vugs, gd st & full sat, s-fsfo, ad odor, scat & wh, fresh, calcite (brown) dolo: tan, lt grey, fm-med xtn, calcite & ooc in part, pr interxtn θ, pr-scat ooc θ, some barren, pr-fr-st w/ patchy sat, s-fsfo, fr odor dolo: lt grey, tan, some pinkish, mostly some med xtn, calcite & ooc in part, pr interxtn θ, pr-fr-st & sat, silty, w/ patchy sat, few ooc pcs w/ sfo, fr odor after break; scat: lt grey, tan, vfn-fxtln, some med xtn, most dense, scat pr interxtn θ, few pcs w/ spotty sat, fr-st show fd, no show dolo: as above; vpr interxtn θ, fr-st dk st, ysfso dolo: lt grey, fm-med xtn, pr-fr interxtn θ, fr-st dk stain, vry scat ad oil residue, n.sfo dolo: as above; w/ dolo: lt grey, tan, vfn-fxtln, dense dolo: lt grey, fm-med xtn, fr-scat gd interxtn θ, few spots black "berry" oil & scat ad oil residue dolo: as above; w/ dolo: tan, vfn-fxtln, dense dolo: lt grey, tan, fr-st in fr-st interxtn θ, scat ad oil residue dolo: lt grey, tan, fm-med xtn θ, pr-fr interxtn θ, scat ad oil residue
3450		
3500		
3550		

DRILLING TIME Minutes/Foot  
Rate of Penetration Decreases

DEPTH

NO.	INCHES	FEET	GRAVITY	REFRACTIVE INDEX	TEMPERATURE	REMARKS
1	3160 - 3300	243.5 - 315	991	991	1528	5' CO, 860 O.G. + WCM
2	3318 - 3410	241 - 247	991	991	1545	50' GIP, 915 O.G. + WCM
3	3408 - 3465	346.5 - 423	1071	1071	1555	155' MUD w/ SO, 310' SM + HCCW, 490' VSD + MCM
4	3417	341.7	1091	1091	1544	300' WM w/ oil, 800' WCM
	3477	347.7	1091	1091	1548	2000' WCM

DST #	DEPTH (IN)	TEMPERATURE (F)	H2S (%)	CO2 (%)	REMARKS
DST #1	3160 - 3300	1528	0.6	0.6	860 O.G. + WCM (137% O, 13% C, 10% M, 15% W) (13% O, 13% C, 10% M, 15% W) CHL: 59000 PPM SVS: 2,000 PPM HSP: 1528 - 1506 FP: 245 - 64 / 519 - 860 SIP: 991 - 996 BHT: 104 F
DST #2	3318 - 3410	1545	0.6	0.6	915 O.G. + WCM (137% O, 13% C, 10% M, 15% W) CHL: 74000 PPM SVS: 2200 PPM HSP: 1655 - 1634 FP: 365 - 423 / 512 - 991 SIP: 1071 - 1071 BHT: 101 F
DST #3	3408 - 3465	1555	0.6	0.6	155' MUD w/ SO, 310' SM + HCCW, 490' VSD + MCM (13% O, 13% C, 10% M, 15% W) CHL: 74000 PPM SVS: 2200 PPM HSP: 1655 - 1634 FP: 365 - 423 / 512 - 991 SIP: 1071 - 1071 BHT: 101 F
DST #4	3417 - 3477	1545	0.6	0.6	300' WM w/ oil, 800' WCM (137% O, 13% C, 10% M, 15% W) CHL: 74000 PPM SVS: 2200 PPM HSP: 1655 - 1634 FP: 365 - 423 / 512 - 991 SIP: 1071 - 1071 BHT: 101 F





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

Phone: 316-337-6200  
Fax: 346-337-6211  
<http://kcc.ks.gov/>

Dwight D. Keen, Chair  
Shari Feist Albrecht, Commissioner  
Jay Scott Emler, Commissioner

Laura Kelly, Governor

February 12, 2019

Julie Thompson  
Gore Oil Company  
202 S ST FRANCIS  
PO BOX 2757  
WICHITA, KS 67202-2757

Re: ACO-1  
API 15-163-24372-00-00  
BARC UNIT 1  
NW/4 Sec.10-09S-19W  
Rooks County, Kansas

Dear Julie Thompson:

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 09/27/2018 and the ACO-1 was received on February 07, 2019 (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