

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

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

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

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

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

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

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

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

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

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

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

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

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

Designate Type of Completion:

New Well  Re-Entry  Workover

Oil  WSW  SWD

Gas  DH  EOR

OG  GSW

CM (Coal Bed Methane)

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

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

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

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

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

Deepening  Re-perf.  Conv. to EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

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

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

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

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

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

Spud Date or Date Reached TD Completion Date or Recompletion Date

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

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

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

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

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

Footages Calculated from Nearest Outside Section Corner:

NE  NW  SE  SW

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

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

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

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

Multiple Stage Cementing Collar Used?  Yes  No

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

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

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

**Drilling Fluid Management Plan**

*(Data must be collected from the Reserve Pit)*

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

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

Location of fluid disposal if hauled offsite:

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

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

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

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

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

Confidentiality Requested

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

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

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

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

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

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

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

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](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
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

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

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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# Timothy G. Pierce

## Petroleum Geologist

### GEOLOGIST'S REPORT

#### DRILLING TIME AND SAMPLE LOG

COMPANY R & B Oil and Gas, Inc.

LEASE England A#1

FIELD 850' FSL & 1980' FEL

LOCATION 850' FSL & 1980' FEL

SEC 3 TWSP 32 S RGE 10 W

COUNTY Barber STATE Kansas

CONTRACTOR Fossil Drilling Rig 3

SPUD 4-11-2022 COMP 4-18-2022

RTD 4776 LTD 4779

MUD UP 3201 TYPE MUD Chemical

SAMPLES SAVED FROM 3500 TO RTD

DRILLING TIME KEPT FROM 3500 TO RTD

SAMPLES EXAMINED FROM 3500 TO RTD

GEOLOGICAL SUPERVISION FROM 3500 to RTD

GEOLOGIST ON WELL Tim Pierce

#### ELEVATIONS

KB 1533

DF \_\_\_\_\_

GL 1521

Measurements Are All  
From KB

#### CASING

CONDUCTOR \_\_\_\_\_

SURFACE 8-5/8" set @ 252'

PRODUCTION None'

#### ELECTRICAL SURVEYS

DIL - CN/CD

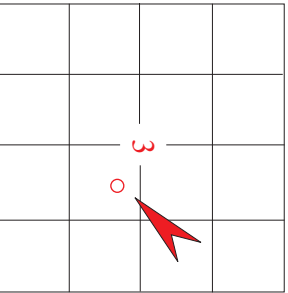
(Midwest Wireline Svcs)

#### FORMATION TOPS

#### ELECTRIC LOG

#### SAMPLE

Heebner Sh.	3520 (-1987)	3517 (-1984)
Lansing	3690 (-2157)	3690 (-2157)
Stark Sh.	4117 (-2584)	4116 (-2583)
Cherokee Sh.	4338 (-2805)	4335 (-2802)
Mississippi (erosional)	4386 (-2853)	4366 (-2833)
Kinderhook Sh.	4596 (-3063)	4592 (-3059)
Viola	4679 (-3146)	4679 (-3146)
Simpson Sh.	4757 (-3224)	4757 (-3224)
Simpson Sd.	NA	4761 (-3228)

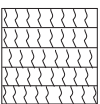


API# 15-007-24,411

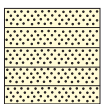
REMARKS This well ran struturally low to the key producing well in the NW NE SE SW of Sec.3-32S-10W.  
Drill stem tests covering the Simpson Sand had negative results for commercial production.  
The possibility of making a marginal well from the Mississippi was indicated by DST #1 and sample examination of the interval immediately below the tested interval, compared to surrounding wells.  
The decision was made to plug the England A#1 as a dry hole.

*Timothy G. Pierce*

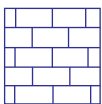
#### LEGEND



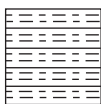
Anhydrite



Sandstone



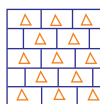
Limestone



Shale



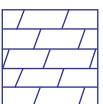
Carb Sh



Cherty LS



Chert



Dolomite

DRILLING TIME IN  
MINUTES PER FOOT

Rate of Penetration Decreases



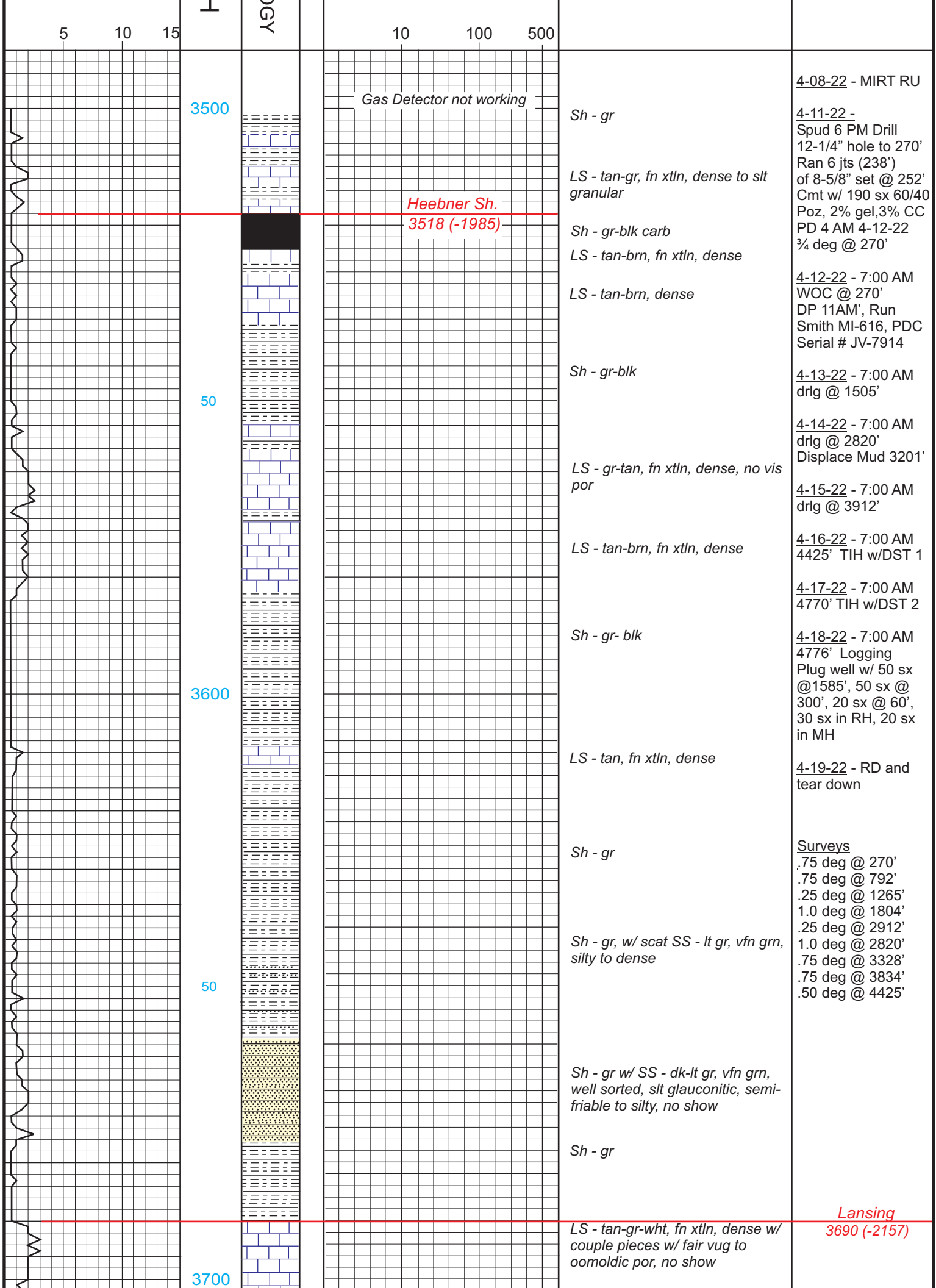
DEPTH

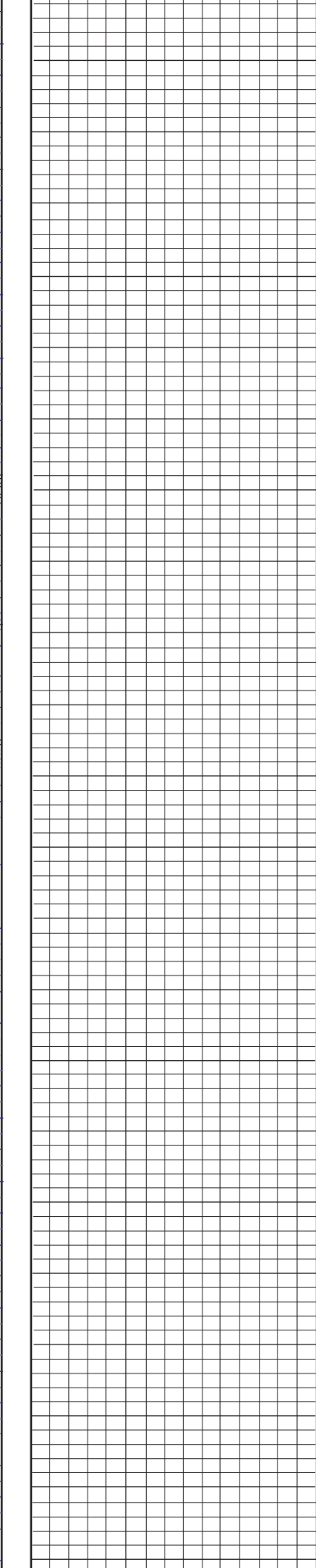
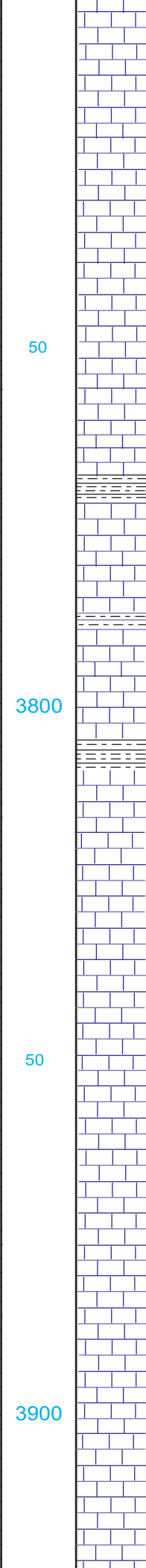
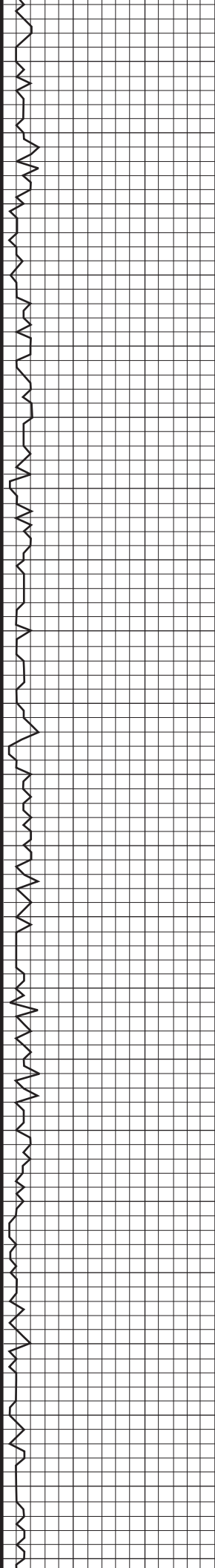
LITHOLOG

GAS SCALE

SAMPLE DESCRIPTION

REMARKS





*LS - tan-gr, fn xtl, dense*

*LS - predominately gr, some tan, fn xtl, dense, scat vug por*

*LS - gr-tan, fn xtl, dense*

*Sh - gr-blk*

*LS - gr-tan, fn xtl, dense*

*LS - tan-gr, fn xtl, dense, to slit chalky in part*

*Sh - blk-gr*

*LS - gr-tan, fn xtl, dense*

*LS - gr-tan, fn xtl, dense*

*LS - gr-tan, fn and some med xtl, scat poor vug por, no show*

*LS - tan-gr-brn, fn xtl, scat poor vug por, scat chalk*

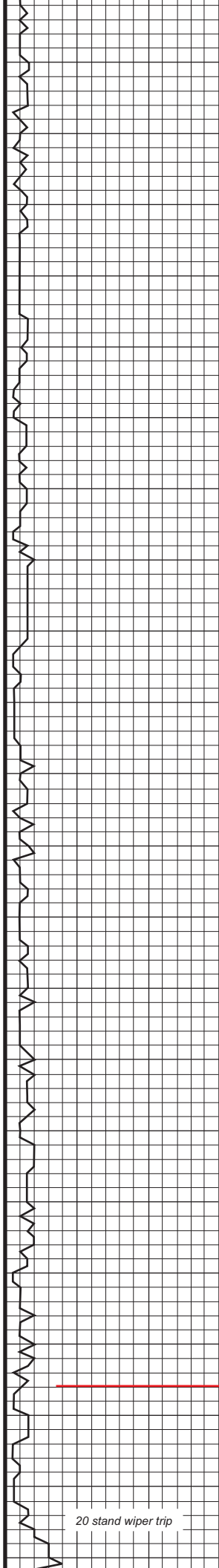
*LS - gr-tan-brn, fn xtl, dense*

50

3800

50

3900



50

4000

50

4100

CFS

LS - dk gr, fn xtl, dense w/ Sh - gr-blk

LS - tan-gr, fn xtl, dense

Sh - blk-gr

LS - gr-tan-wht, fn xtl, dense to chalky, scat vug por, no show

Sh - gr-blk

LS - tan-gr-wht fn xtl, scat vug por, to dense and chalky, no show

Sh - gr-blk

LS - tan-gr, fn xtl, dense w/ scat gr vitreous chert, no vis por

LS - tan-wht fn xtl, dense w/ scat chalk

Sh - gr-blk

LS - gr-tan-wht, fn xtl, dense

LS - gr-tan, fn xtl to granular, chalky in part

LS - gr-tan, fn xtl to partly oolitic, poor int ool por, no show

Sh - blk carb

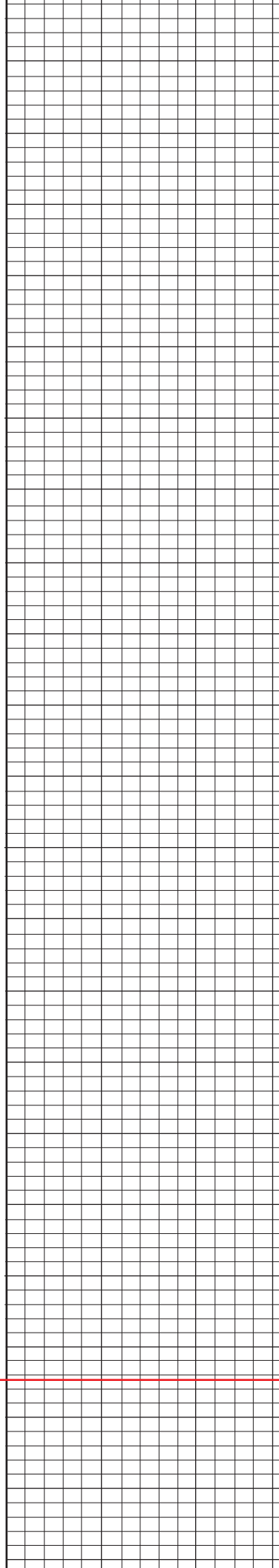
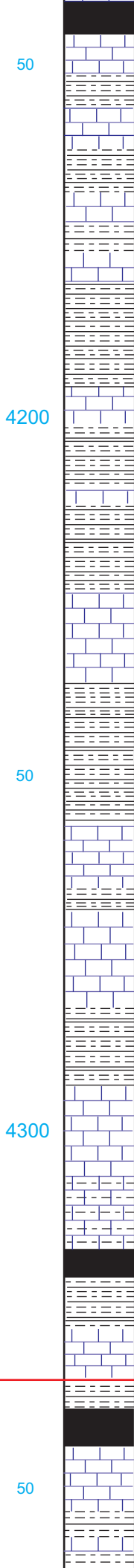
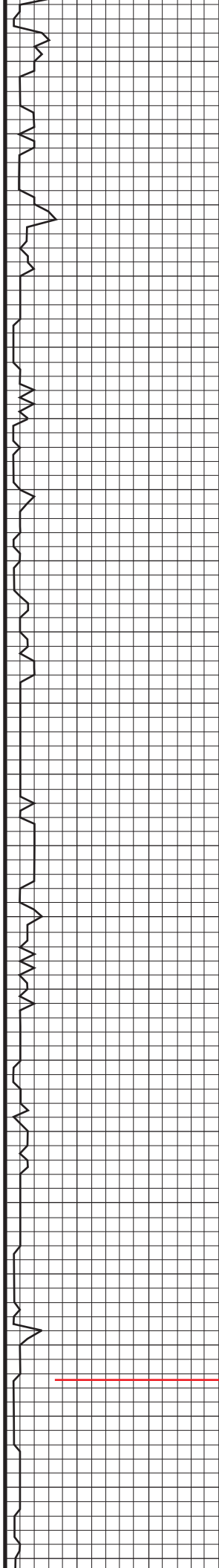
LS - tan-gr-wht, fn xtl, p-fair vug and pinpoint por, scat chalk, no show

LS - wht-gr, fn xtl, dense

Stark Sh.  
4116 (-2583)

20 stand wiper trip

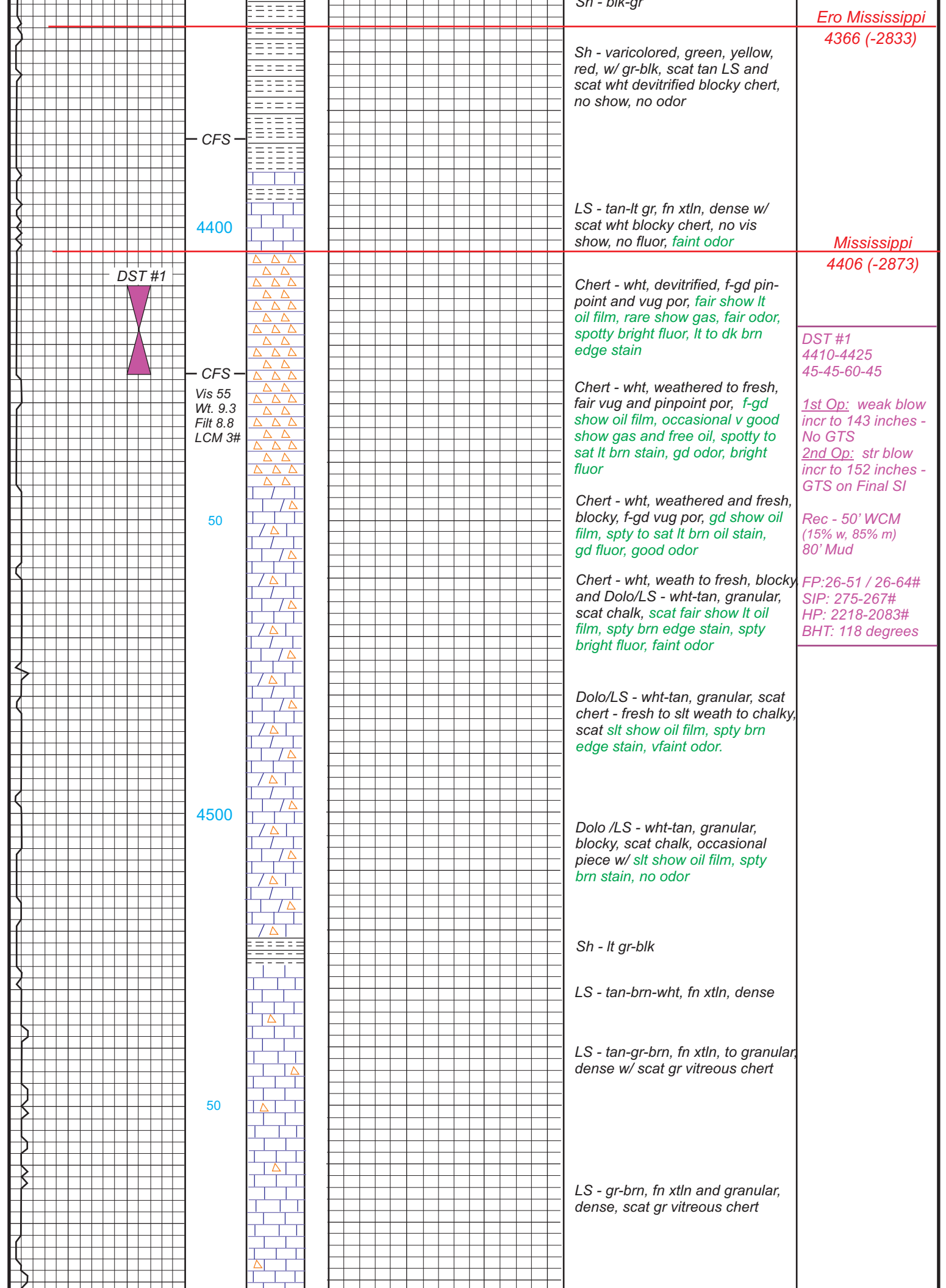




Sh - blk carb  
 LS - tan-gr, fn xtln, dense  
  
 LS - tan-wht-gr, dense to chalky  
 Sh - gr-blk  
 LS - wht-gr, dense to chalky  
  
 LS - wht-gr, fn xtln, dense to chalky, no shows  
 Sh - gr-blk  
  
 LS - tan-gr, fn xtln and granular, dense  
 Sh - gr-blk  
  
 Sh - gr-blk  
  
 LS - tan-brn-gr, dense  
  
 Sh - gr-blk, red and brown  
  
 50  
  
 LS- tan-brn, fn xtln, dense to slt granular  
  
 LS - gr-tan-wht, fn xtln, dense to slt chalky  
  
 Sh - gr-blk  
  
 4300  
  
 LS - gr-tan, fn xtln, dense  
  
 LS - gr-tan, fn xtln, dense and  
 Sh - gr-blk  
  
 Sh - blk carb to gr  
  
 LS - dk gr, granular and tan, dense  
  
 Sh - blk carb and gr  
  
 LS - gr-tan, fn xtln, dense  
  
 Sh - blk carb

Cherokee Sh.  
 4335 (-2802)

50  
 4200  
 50  
 4300  
 50



Ero Mississippi

4366 (-2833)

Sh - varicolored, green, yellow, red, w/ gr-blk, scat tan LS and scat wht devitrified blocky chert, no show, no odor

CFS

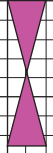
4400

LS - tan-lt gr, fn xtl, dense w/ scat wht blocky chert, no vis show, no fluor, faint odor

Mississippi

4406 (-2873)

DST #1



CFS

Vis 55  
Wt. 9.3  
Filt 8.8  
LCM 3#

50

Chert - wht, devitrified, f-gd pinpoint and vug por, fair show lt oil film, rare show gas, fair odor, spotty bright fluor, lt to dk brn edge stain

Chert - wht, weathered to fresh, fair vug and pinpoint por, f-gd show oil film, occasional v good show gas and free oil, spotty to sat lt brn stain, gd odor, bright fluor

Chert - wht, weathered and fresh, blocky, f-gd vug por, gd show oil film, spty to sat lt brn oil stain, gd fluor, good odor

Chert - wht, weath to fresh, blocky and Dolo/LS - wht-tan, granular, scat chalk, scat fair show lt oil film, spty brn edge stain, spty bright fluor, faint odor

Dolo/LS - wht-tan, granular, scat chert - fresh to slt weath to chalky, scat slt show oil film, spty brn edge stain, vfaint odor.

Dolo /LS - wht-tan, granular, blocky, scat chalk, occasional piece w/ slt show oil film, spty brn stain, no odor

Sh - lt gr-blk

LS - tan-brn-wht, fn xtl, dense

LS - tan-gr-brn, fn xtl, to granular, dense w/ scat gr vitreous chert

LS - gr-brn, fn xtl and granular, dense, scat gr vitreous chert

DST #1

4410-4425  
45-45-60-45

1st Op: weak blow  
incr to 143 inches -  
No GTS

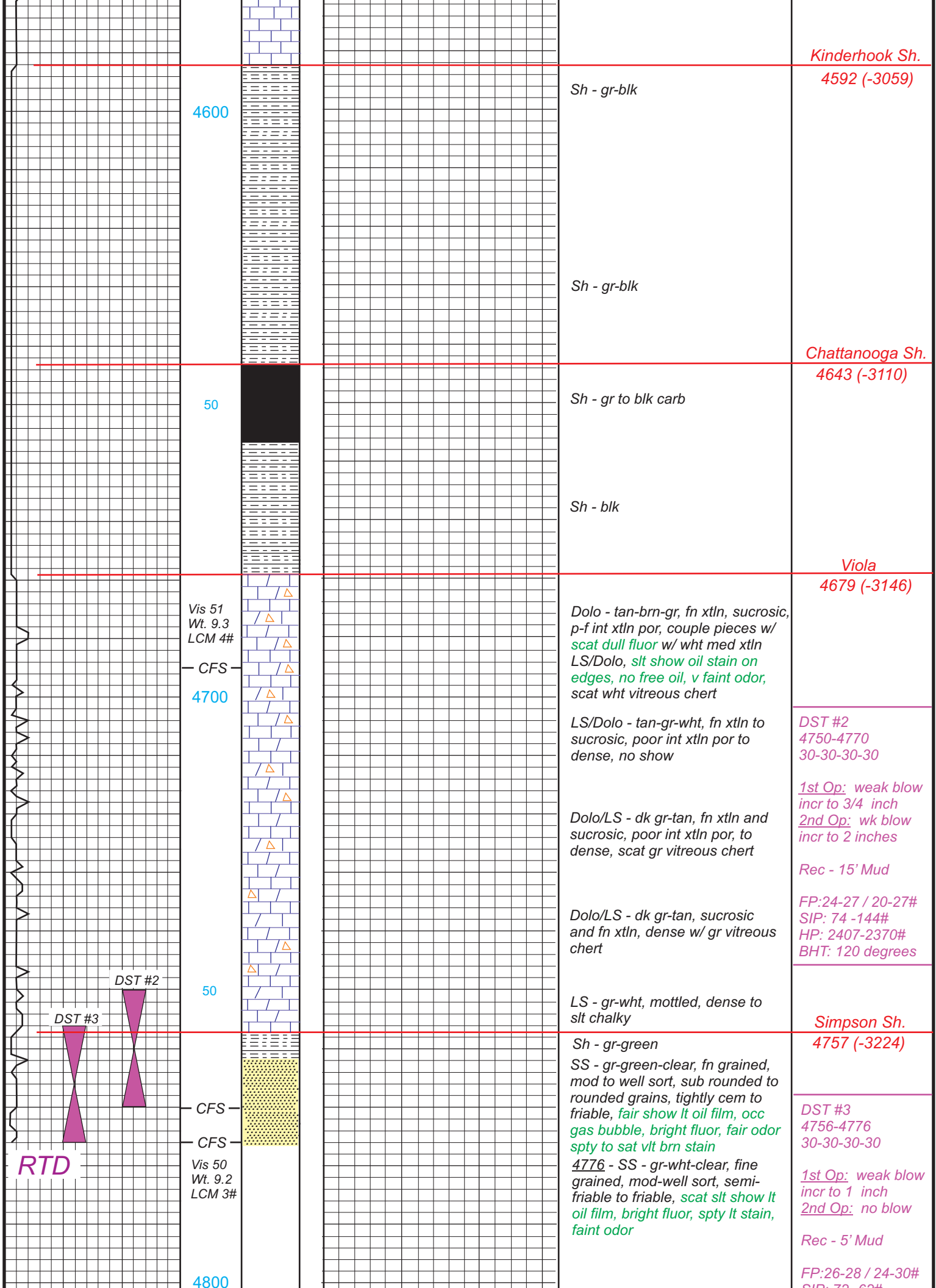
2nd Op: str blow  
incr to 152 inches -  
GTS on Final SI

Rec - 50' WCM  
(15% w, 85% m)  
80' Mud

FP:26-51 / 26-64#  
SIP: 275-267#  
HP: 2218-2083#  
BHT: 118 degrees

4500

50



Kinderhook Sh.  
4592 (-3059)

4600

Sh - gr-blk

Sh - gr-blk

Chattanooga Sh.  
4643 (-3110)

50

Sh - gr to blk carb

Sh - blk

Viola  
4679 (-3146)

Vis 51  
Wt. 9.3  
LCM 4#

CFS  
4700

Dolo - tan-brn-gr, fn xtl, sucrosic, p-f int xtl por, couple pieces w/ scat dull fluor w/ wht med xtl LS/Dolo, slt show oil stain on edges, no free oil, v faint odor, scat wht vitreous chert

LS/Dolo - tan-gr-wht, fn xtl to sucrosic, poor int xtl por to dense, no show

Dolo/LS - dk gr-tan, fn xtl and sucrosic, poor int xtl por, to dense, scat gr vitreous chert

Dolo/LS - dk gr-tan, sucrosic and fn xtl, dense w/ gr vitreous chert

DST #2  
4750-4770  
30-30-30-30

1st Op: weak blow  
incr to 3/4 inch  
2nd Op: wk blow  
incr to 2 inches

Rec - 15' Mud

FP:24-27 / 20-27#  
SIP: 74 -144#  
HP: 2407-2370#  
BHT: 120 degrees

50

DST #2

DST #3

LS - gr-wht, mottled, dense to slt chalky

Simpson Sh.  
4757 (-3224)

CFS  
CFS  
Vis 50  
Wt. 9.2  
LCM 3#

Sh - gr-green  
SS - gr-green-clear, fn grained, mod to well sort, sub rounded to rounded grains, tightly cem to friable, fair show lt oil film, occ gas bubble, bright fluor, fair odor spty to sat vlt brn stain  
4776 - SS - gr-wht-clear, fine grained, mod-well sort, semi-friable to friable, scat slt show lt oil film, bright fluor, spty lt stain, faint odor

DST #3  
4756-4776  
30-30-30-30

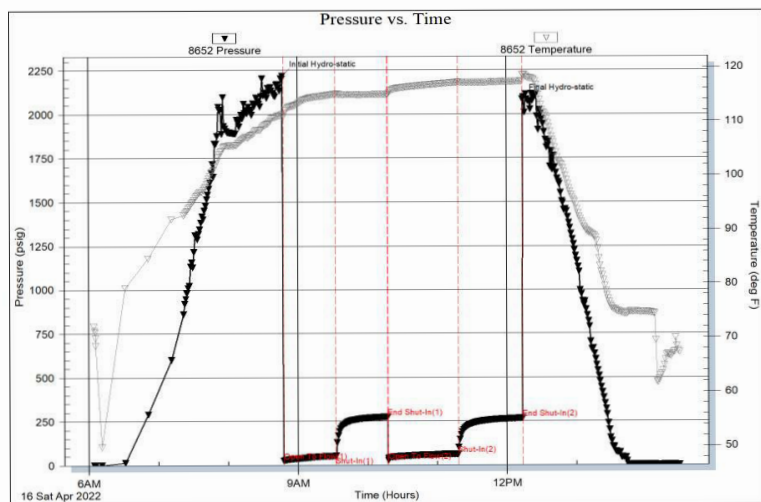
1st Op: weak blow  
incr to 1 inch  
2nd Op: no blow

Rec - 5' Mud

FP:26-28 / 24-30#  
SIP: 73 - 62#

4800

Serial #: 8652    Outside    R & B Oil & Gas    England A #1    DST Test Number: 1



Triobite Testing, Inc    Ref. No: 68163    Printed: 2022.04.16 @ 14:44:10

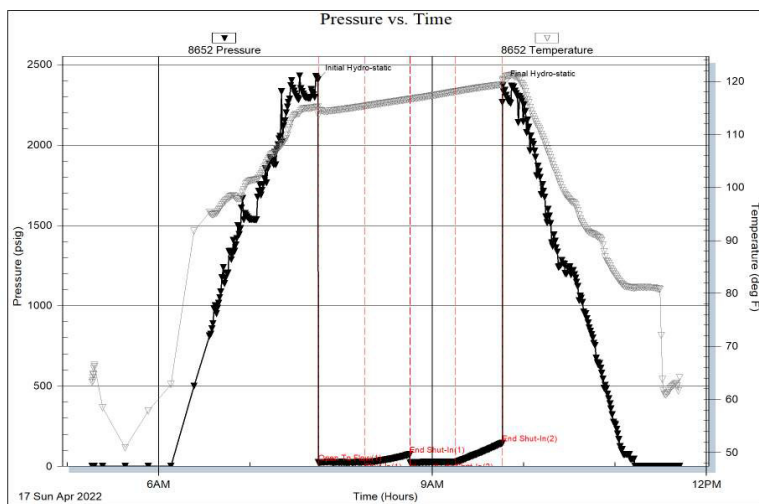
**DST #1**  
 4410-4425  
 45-45-60-45

1st Op: weak blow  
 incr to 143 inches -  
 No GTS  
2nd Op: str blow  
 incr to 152 inches -  
 GTS on Final SI

Rec - 50' WCM  
 (15% w, 85% m)  
 80' Mud

FP:26-51 / 26-64#  
 SIP: 275-267#  
 HP: 2218-2083#  
 BHT: 118 degrees

Serial #: 8652    Outside    R & B Oil & Gas    England A #1    DST Test Number: 2



Triobite Testing, Inc    Ref. No: 68164    Printed: 2022.04.17 @ 11:53:11

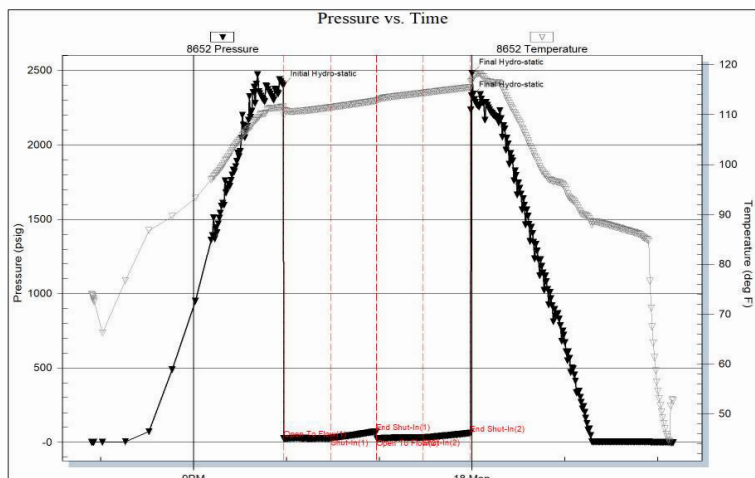
**DST #2**  
 4750-4770  
 30-30-30-30

1st Op: weak blow  
 incr to 3/4 inch  
2nd Op: wk blow  
 incr to 2 inches

Rec - 15' Mud

FP:24-27 / 20-27#  
 SIP: 74 -144#  
 HP: 2407-2370#  
 BHT: 120 degrees

Serial #: 8652    Outside    R & B Oil & Gas    England A #1    DST Test Number: 3



**DST #3**  
 4756-4776  
 30-30-30-30

1st Op: weak blow  
 incr to 1 inch  
2nd Op: no blow

Rec - 5' Mud

FP:26-28 / 24-30#  
 SIP: 72 -62#  
 HP: 2401-23290#  
 BHT: 117 degrees

A large empty grid table with 20 columns and 40 rows, intended for data entry.

A large empty grid table with 20 columns and 40 rows, intended for data entry.





## DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195  
Attica, KS 67009

ATTN: Tim Pierce

### **England A #1**

#### **3-32s-10w Barber,KS**

Start Date: 2022.04.16 @ 06:04:00

End Date: 2022.04.16 @ 14:28:30

Job Ticket #: 68163                      DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.04.20 @ 09:38:28

R & B Oil & Gas  
3-32s-10w Barber,KS  
England A #1  
DST # 1  
Miss  
2022.04.16



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68163

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2022.04.16 @ 06:04:00

## GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:47:30

Time Test Ended: 14:28:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

**Interval: 4410.00 ft (KB) To 4425.00 ft (KB) (TVD)**

Reference Elevations: 1533.00 ft (KB)

Total Depth: 4425.00 ft (KB) (TVD)

1521.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 63.71 psig @ 4411.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.04.16 End Date: 2022.04.16

Last Calib.: 2022.04.16

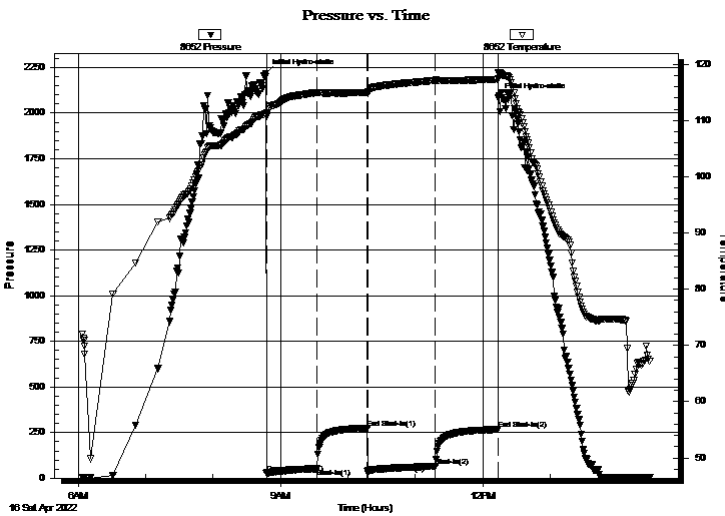
Start Time: 06:04:05 End Time: 14:28:29

Time On Btm: 2022.04.16 @ 08:46:45

Time Off Btm: 2022.04.16 @ 12:13:45

**TEST COMMENT:** IF-45- BOB in 4 1/2 min. built to 143"  
SI1-45- No return  
FF-60- BOB imediatly, Built to 152"  
SI2-45- No return, GTS w hen bleed off

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2218.10	111.31	Initial Hydro-static
1	26.37	110.77	Open To Flow (1)
46	51.39	114.97	Shut-In(1)
91	274.53	114.96	End Shut-In(1)
91	25.72	114.97	Open To Flow (2)
152	63.71	117.15	Shut-In(2)
207	266.97	117.36	End Shut-In(2)
207	2083.01	118.54	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	WCM 15% w ater 85% mud	0.25
80.00	mud 100%	0.49
0.00	GTS	0.00

## Gas Rates

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







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68163

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2022.04.16 @ 06:04:00

## Tool Information

Drill Pipe:	Length: 4279.00 ft	Diameter: 3.80 inches	Volume: 60.02 bbl	Tool Weight: 2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 92000.00 lb
			<u>Total Volume: 60.61 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 70000.00 lb
Depth to Top Packer:	4410.00 ft			Final 70000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			4380.00	
shut In Tool	5.00			4385.00	
hydraulic tool	5.00			4390.00	
Jars	5.00			4395.00	
EM Tool	3.00			4398.00	
Safety Joint	3.00			4401.00	
Packer	5.00			4406.00	31.00 Bottom Of Top Packer
Packer	4.00			4410.00	
Stubb	1.00			4411.00	
Recorder	0.00	6625	Inside	4411.00	
Recorder	0.00	8652	Outside	4411.00	
perforations	11.00			4422.00	
Bullnose	3.00			4425.00	15.00 Bottom Packers & Anchor

**Total Tool Length: 46.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68163

**DST#: 1**

ATTN: Tim Pierce

Test Start: 2022.04.16 @ 06:04:00

### 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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 7000.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	WCM 15% water 85% mud	0.246
80.00	mud 100%	0.494
0.00	GTS	0.000

Total Length: 130.00 ft      Total Volume: 0.740 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

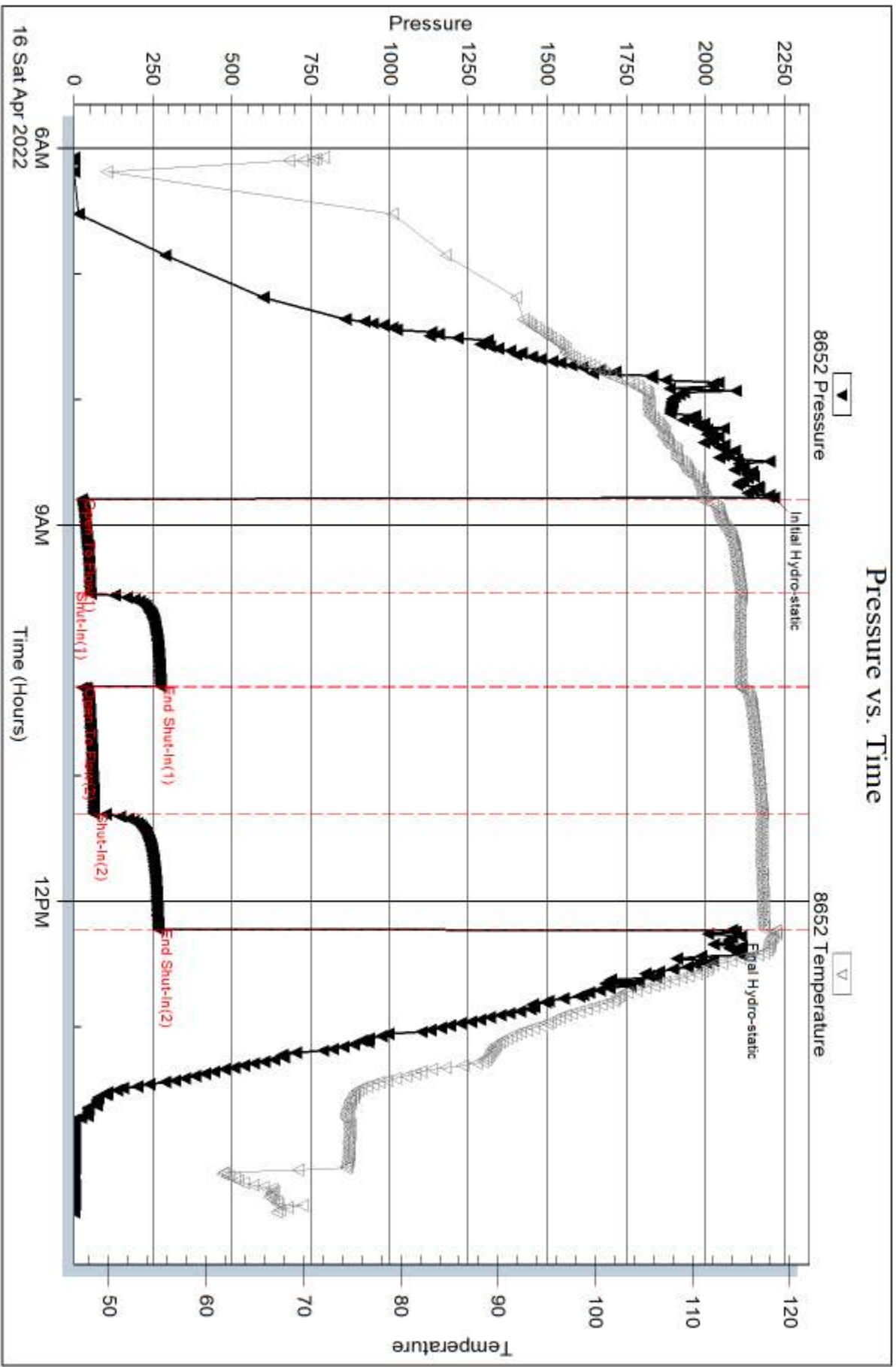
Recovery Comments: 2# LCM

Serial #: 8652

Outside R & B Oil & Gas

England A #1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 68163

Printed: 2022.04.20 @ 09:38:30

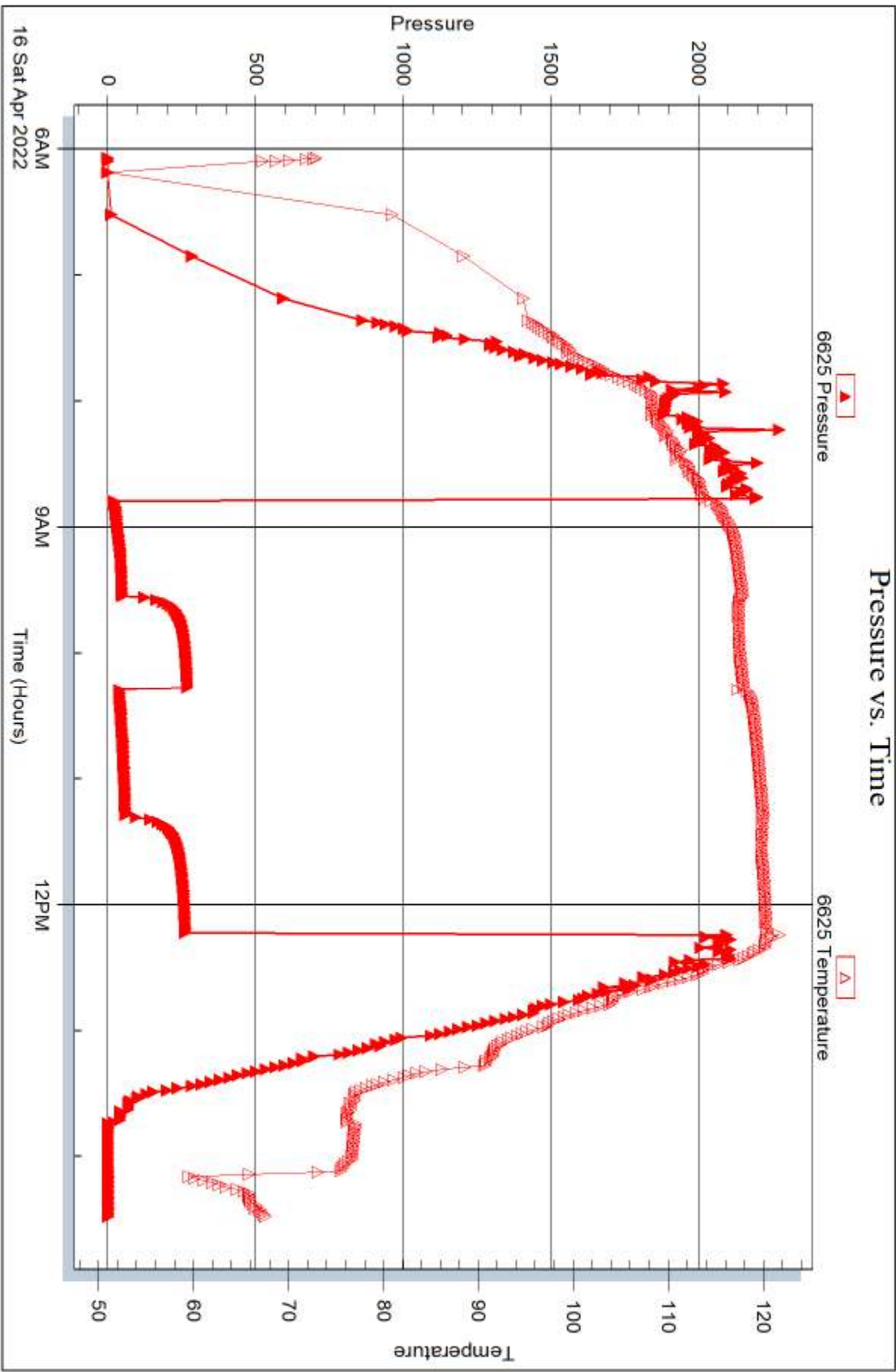
Serial #: 6625

Inside

R & B Oil & Gas

England A #1

DST Test Number: 1





## DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195  
Attica, KS 67009

ATTN: Tim Pierce

### **England A #1**

#### **3-32s-10w Barber,KS**

Start Date: 2022.04.17 @ 05:16:00

End Date: 2022.04.17 @ 11:42:30

Job Ticket #: 68164                      DST #: 2

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

Printed: 2022.04.20 @ 09:36:50



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68164

**DST#: 2**

ATTN: Tim Pierce

Test Start: 2022.04.17 @ 05:16:00

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:44:45

Time Test Ended: 11:42:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4750.00 ft (KB) To 4770.00 ft (KB) (TVD)**

Reference Elevations: 1533.00 ft (KB)

Total Depth: 4770.00 ft (KB) (TVD)

1521.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 27.30 psig @ 4751.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.04.17

End Date:

2022.04.17

Last Calib.:

2022.04.17

Start Time: 05:16:05

End Time:

11:42:29

Time On Btm:

2022.04.17 @ 07:44:30

Time Off Btm:

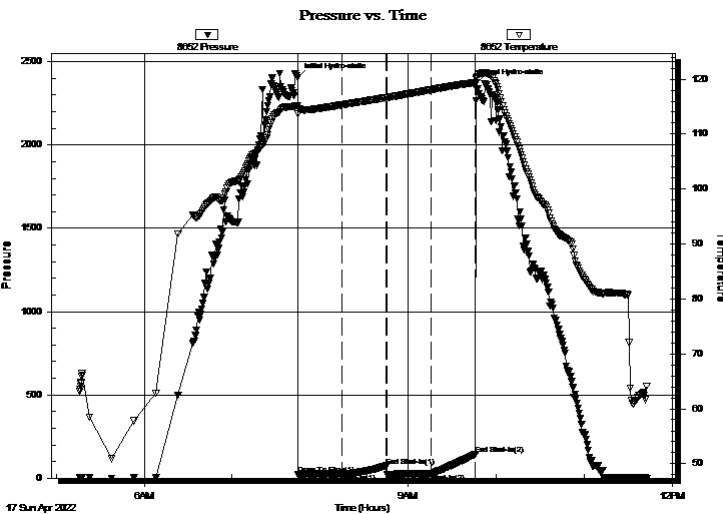
2022.04.17 @ 09:46:15

TEST COMMENT: IF-30- Built to 3/4"

SI1-30- No return

FF-30- Built to 2"

SI2-30- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2406.51	115.17	Initial Hydro-static
1	24.42	113.63	Open To Flow (1)
31	27.23	115.33	Shut-In(1)
61	73.90	116.64	End Shut-In(1)
61	20.35	116.64	Open To Flow (2)
91	27.30	118.07	Shut-In(2)
122	144.37	119.38	End Shut-In(2)
122	2370.04	120.07	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	Mud 100%	0.07

## Gas Rates

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

\* Recovery from multiple tests







**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68164

**DST#: 2**

ATTN: Tim Pierce

Test Start: 2022.04.17 @ 05:16:00

## Tool Information

Drill Pipe:	Length: 4627.00 ft	Diameter: 3.80 inches	Volume: 64.90 bbl	Tool Weight: 2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 84000.00 lb
			<u>Total Volume: 65.49 bbl</u>	Tool Chased ft
Drill Pipe Above KB:	27.00 ft			String Weight: Initial 76000.00 lb
Depth to Top Packer:	4750.00 ft			Final 76000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4720.00	
shut In Tool	5.00			4725.00	
hydraulic tool	5.00			4730.00	
Jars	5.00			4735.00	
EM Tool	3.00			4738.00	
Safety Joint	3.00			4741.00	
Packer	5.00			4746.00	31.00 Bottom Of Top Packer
Packer	4.00			4750.00	
Stubb	1.00			4751.00	
Recorder	0.00	6625	Inside	4751.00	
Recorder	0.00	8652	Outside	4751.00	
perforations	16.00			4767.00	
Bullnose	3.00			4770.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68164

**DST#: 2**

ATTN: Tim Pierce

Test Start: 2022.04.17 @ 05:16:00

## 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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.76 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Mud 100%	0.074

Total Length: 15.00 ft      Total Volume: 0.074 bbl

Num Fluid Samples: 0

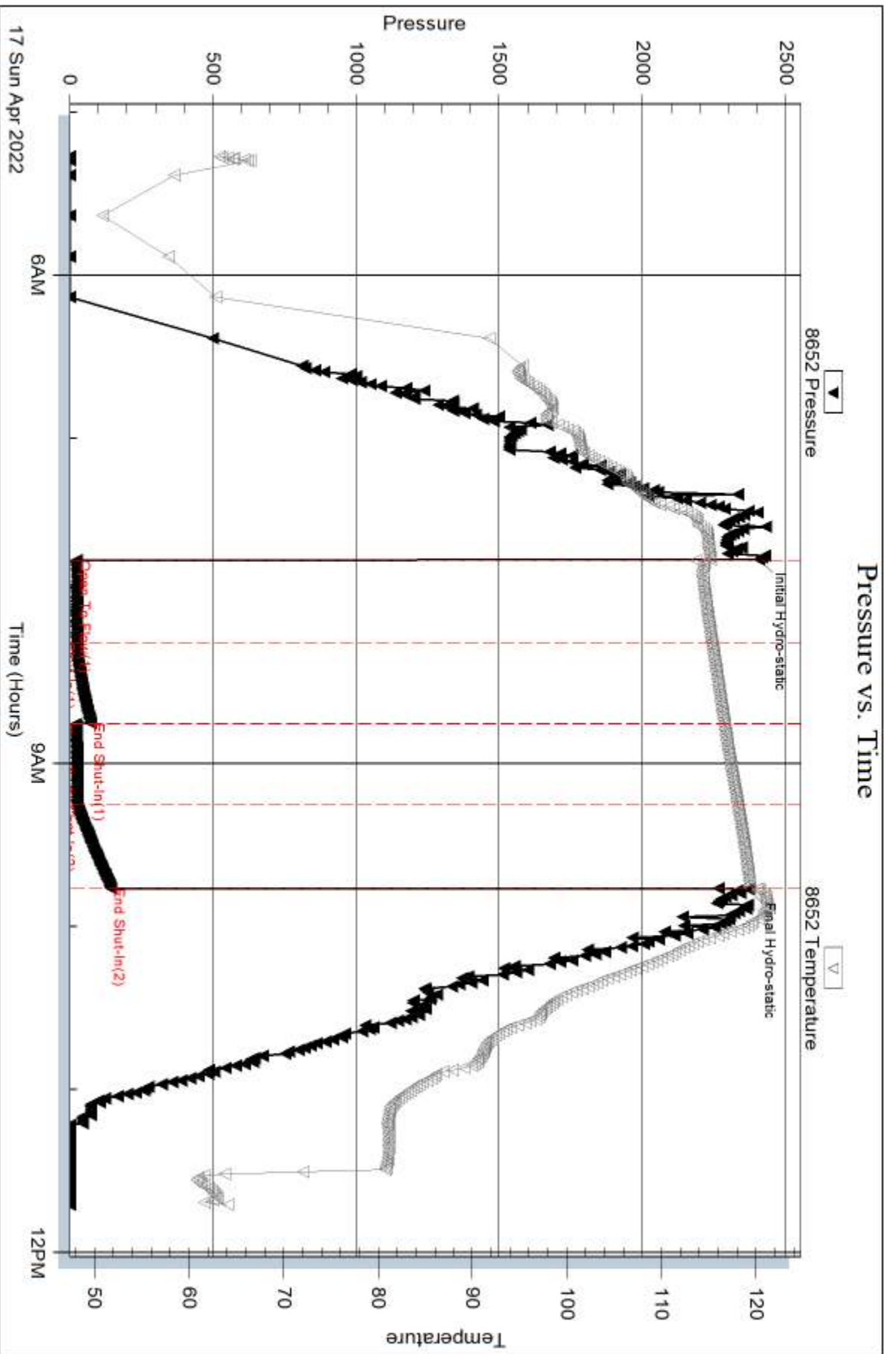
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 3# LCM



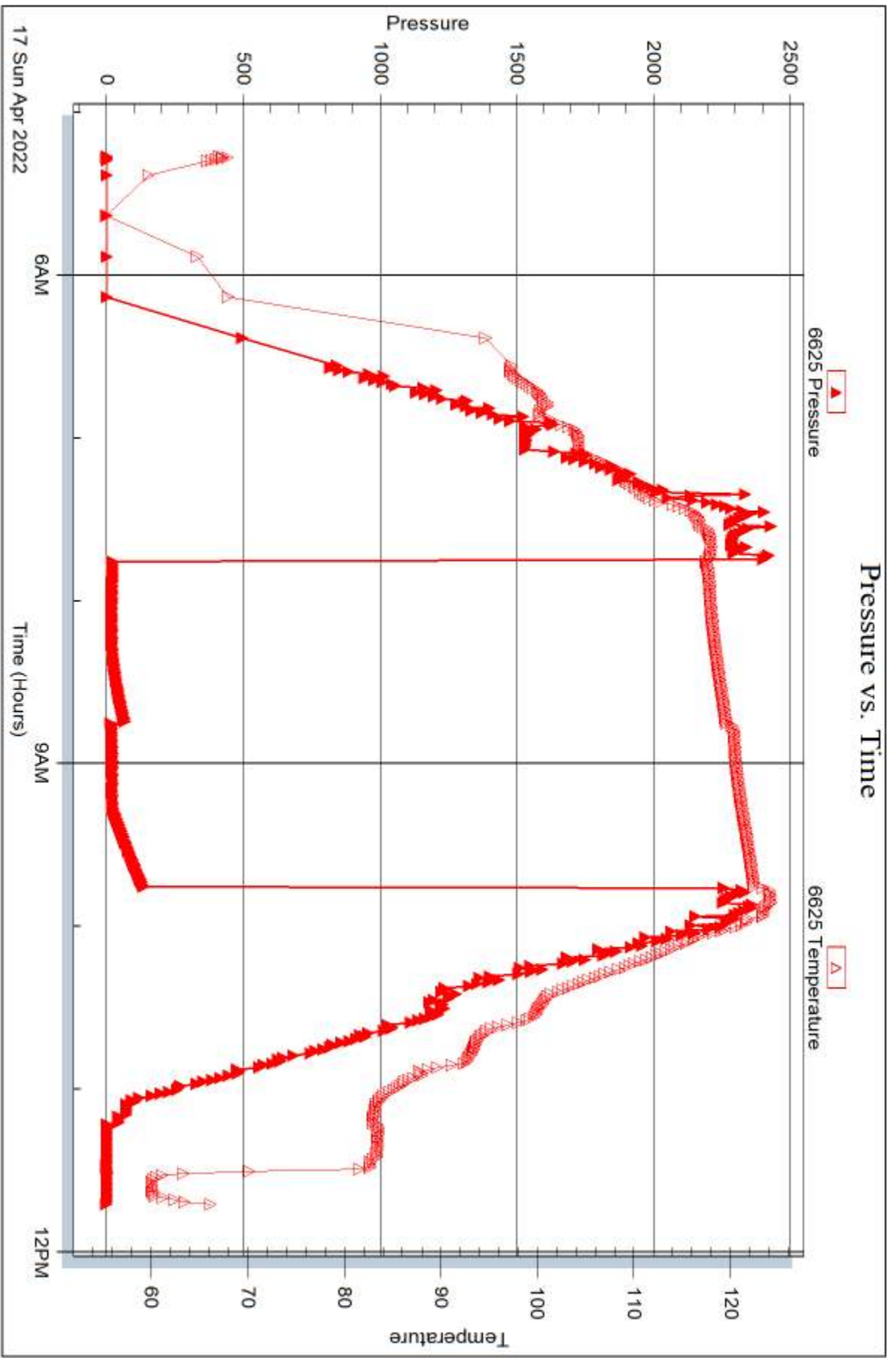
Serial #: 6625

Inside

R & B Oil & Gas

England A #1

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 68164

Printed: 2022.04.20 @ 09:36:53



## DRILL STEM TEST REPORT

Prepared For: **R & B Oil & Gas**

PO Box 195  
Attica, KS 67009

ATTN: Tim Pierce

### **England A #1**

#### **3-32s-10w Barber,KS**

Start Date: 2022.04.17 @ 19:54:00

End Date: 2022.04.18 @ 02:10:00

Job Ticket #: 68165                      DST #: 3

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

Printed: 2022.04.20 @ 09:32:35



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68165

**DST#: 3**

ATTN: Tim Pierce

Test Start: 2022.04.17 @ 19:54:00

## GENERAL INFORMATION:

Formation: **Simpson**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:58:00

Time Test Ended: 02:10:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

**Interval: 4756.00 ft (KB) To 4776.00 ft (KB) (TVD)**

Reference Elevations: 1533.00 ft (KB)

Total Depth: 4776.00 ft (KB) (TVD)

1521.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 8652 Outside**

Press@RunDepth: 29.64 psig @ 4757.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2022.04.17 End Date: 2022.04.18

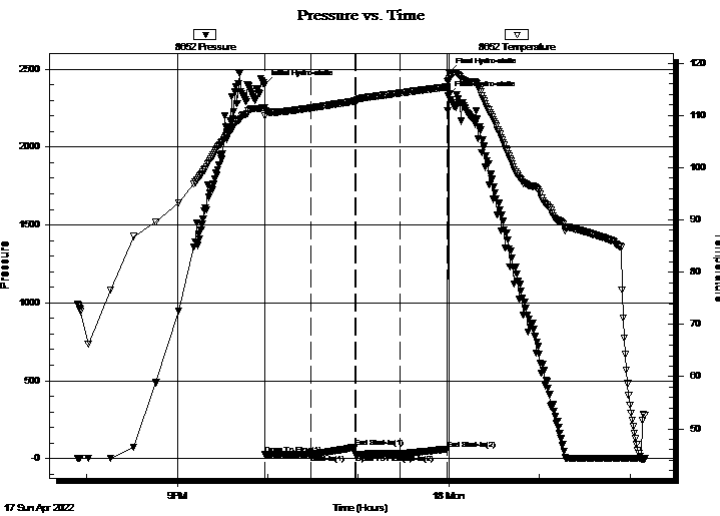
Last Calib.: 2022.04.17

Start Time: 19:54:05 End Time: 02:09:59

Time On Btm: 2022.04.17 @ 21:57:45

Time Off Btm: 2022.04.17 @ 23:59:45

**TEST COMMENT:** IF-30- Built to 1"  
SI1-30- No return  
FF-30- No blow  
SI2-30- No return



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2401.18	111.54	Initial Hydro-static
1	26.05	109.84	Open To Flow (1)
31	27.84	111.42	Shut-In(1)
60	72.34	112.74	End Shut-In(1)
61	24.37	112.77	Open To Flow (2)
91	29.64	114.29	Shut-In(2)
122	61.89	115.44	End Shut-In(2)
122	2328.70	116.56	Final Hydro-static
123	2479.48	116.94	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud 100%	0.02

\* Recovery from multiple tests

## Gas Rates

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





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68165

**DST#: 3**

ATTN: Tim Pierce

Test Start: 2022.04.17 @ 19:54:00

## Tool Information

Drill Pipe:	Length: 4627.00 ft	Diameter: 3.80 inches	Volume: 64.90 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 119.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	86000.00 lb
			<u>Total Volume: 65.49 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	76000.00 lb
Depth to Top Packer:	4756.00 ft			Final	76000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	20.00 ft				
Tool Length:	51.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4726.00	
shut In Tool	5.00			4731.00	
hydraulic tool	5.00			4736.00	
Jars	5.00			4741.00	
EM Tool	3.00			4744.00	
Safety Joint	3.00			4747.00	
Packer	5.00			4752.00	31.00 Bottom Of Top Packer
Packer	4.00			4756.00	
Stubb	1.00			4757.00	
Recorder	0.00	6625	Inside	4757.00	
Recorder	0.00	8652	Outside	4757.00	
perforations	16.00			4773.00	
Bullnose	3.00			4776.00	20.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

R & B Oil & Gas

**3-32s-10w Barber,KS**

PO Box 195  
Attica, KS 67009

**England A #1**

Job Ticket: 68165

**DST#: 3**

ATTN: Tim Pierce

Test Start: 2022.04.17 @ 19:54:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 7000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud 100%	0.025

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

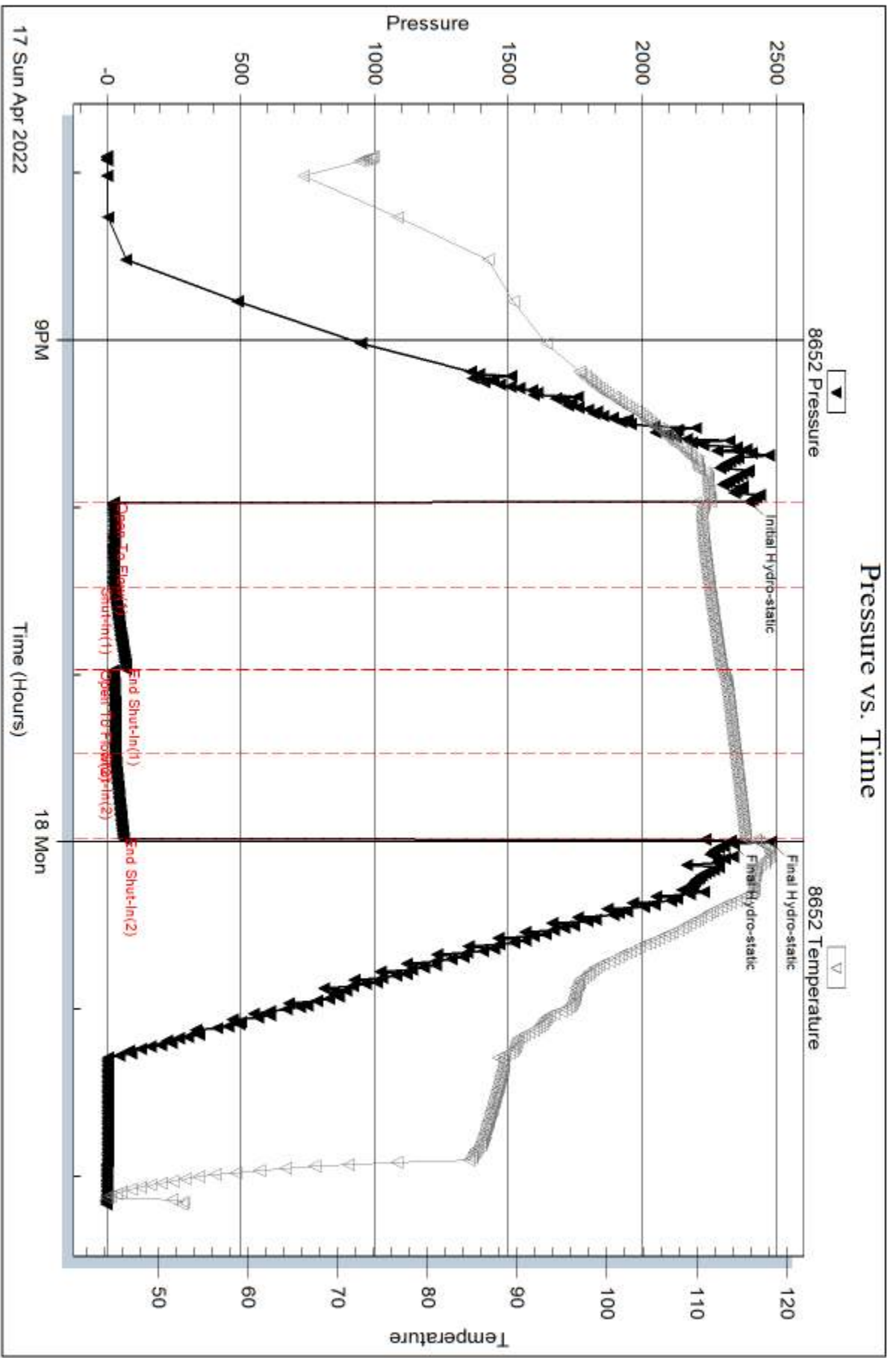
Recovery Comments: 3 1/2# LCM

Serial #: 8652

Outside R & B Oil & Gas

England A #1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 68165

Printed: 2022.04.20 @ 09:32:36

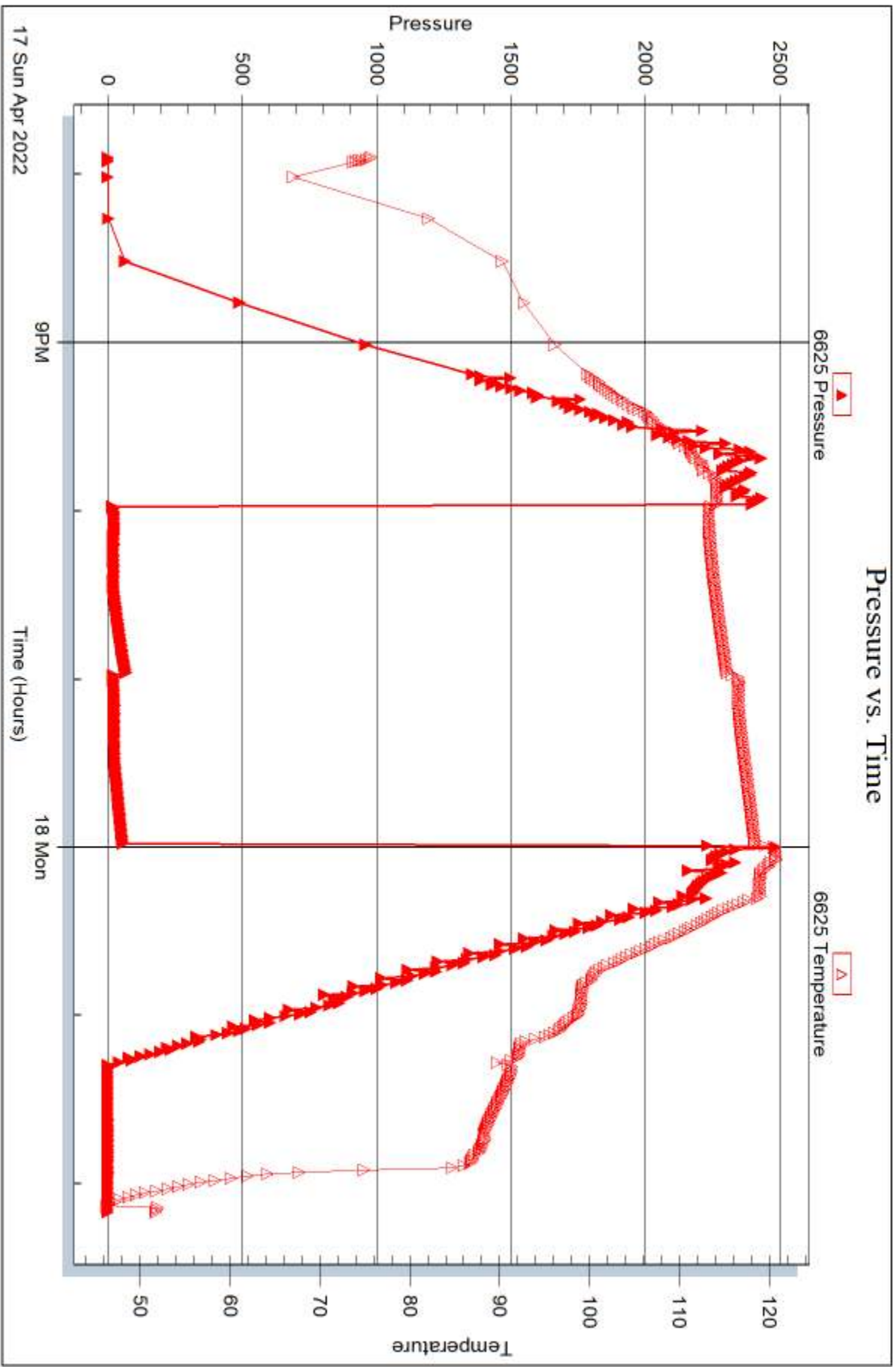
Serial #: 6625

Inside

R & B Oil & Gas

England A #1

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **68163**

Well Name & No. England A-1 Test No. 1 Date 4/16/22  
 Company R+B Oil + Gas Elevation ~~1523~~ 1523 KB 1521 GL  
 Address 124 N. Main PO Box 195 Attica, KS 67009  
 Co. Rep / Geo. Tim Pierce Rig Fossil Rig #3  
 Location: Sec. 3 Twp 32 Rge. 10 Co. Barber State KS

Interval Tested 4410-4425 Zone Tested Miss  
 Anchor Length 15 Drill Pipe Run 4279 Mud Wt. 9.3  
 Top Packer Depth 4405 Drill Collars Run 119 Vis 49  
 Bottom Packer Depth 4410 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4425 Chlorides 7000 ppm System LCM 2#

Blow Description IF-BOB in 4 1/2 min. Built to 143"  
S12-No return  
FF-BOB instantly, ~~152~~ Built to 152"  
S12-No return GTS when bleedoff

Rec	Feet of	%gas	%oil	%water	%mud
<u>50</u>	<u>WCM</u>			<u>15%</u>	<u>85%</u>
<u>80</u>	<u>Mud</u>				<u>100%</u>
	<u>GTS</u>				

Rec Total 130' BHT 118 Gravity \_\_\_\_\_ API RW 185 @ 54 °F Chlorides 53000 ppm

(A) Initial Hydrostatic 2218  Test 1950 T-On Location 05:15  
 (B) First Initial Flow 216  Jars 300 T-Started 06:04  
 (C) First Final Flow 51  Safety Joint \_\_\_\_\_ T-Open 08:47  
 (D) Initial Shut-In 275  Circ Sub N/A T-Pulled 12:02  
 (E) Second Initial Flow 216  Hourly Standby \_\_\_\_\_ T-Out 14:29  
 (F) Second Final Flow 164  Mileage 95 142.50 Comments Out of town, motel  
 (G) Final Shut-In 267  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2083  Straddle \_\_\_\_\_  EM Tool #30

Initial Open 45  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In ~~45~~ 45  Ruined Packer \_\_\_\_\_  
 Final Flow 60  Extra Packer \_\_\_\_\_  
 Final Shut-In 45  Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 2392.50  
 Sub Total 2392.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative DWJ

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

785-656-0962



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 68164

Well Name & No. England A#1 Test No. 2 Date 4/17/22  
 Company R+B Oil + Gas Elevation 1533 KB 1521 GL  
 Address 124 W Main PO Box 195 Attila, KS 67009  
 Co. Rep / Geo. Tim Pierce Rig Fossil Rig #3  
 Location: Sec. 3 Twp 32 Rge. 10 Co. Barber State KS

Interval Tested 4750-4770 Zone Tested Simpson  
 Anchor Length 20 Drill Pipe Run 4627 Mud Wt. 9.3  
 Top Packer Depth 4745 Drill Collars Run 119 Vis 55  
 Bottom Packer Depth 4756 Wt. Pipe Run Ø WL 8.8  
 Total Depth 4770 Chlorides 6000 ppm System LCM 3#

Blow Description 1f - Built to 3/4"  
S11 - No return  
FF - Built to 2"  
S12 - No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>15</u>	<u>Mud</u>				<u>100</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

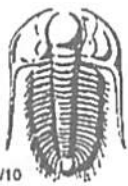
Rec Total 15' BHT 120 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 2407  Test 1950 T-On Location 04:40  
 (B) First Initial Flow 24  Jars 300 T-Started 05:16  
 (C) First Final Flow 27  Safety Joint \_\_\_\_\_ T-Open 7:45  
 (D) Initial Shut-In 74  Circ Sub N/A T-Pulled 9:45  
 (E) Second Initial Flow 20  Hourly Standby \_\_\_\_\_ T-Out 11:43  
 (F) Second Final Flow 27  Mileage 9.5 142.50 Comments Out of town. Motel  
 (G) Final Shut-In 144  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2370  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  EM Tool B#33  
 Extra Packer \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 2392.50  
 Sub Total 2392.50 MP/DST Disc't \_\_\_\_\_

Initial Open \_\_\_\_\_  
 Initial Shut-In \_\_\_\_\_  
 Final Flow \_\_\_\_\_  
 Final Shut-In \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative DUSTY

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. **68165**

Well Name & No. England A#1 Test No. 3 Date 4/17-18/22  
 Company R+B Oil & Gas Elevation 1533 KB 1521 GL  
 Address 124 W Main PO Box 195 Attica, KS 67009  
 Co. Rep / Geo. Tim Pierce Rig Fossil Rig #3  
 Location: Sec. 3 Twp 32 Rge. 10 Co. Barber State KS

Interval Tested 4756-4776 Zone Tested Simpson  
 Anchor Length ~~4000~~ 20 Drill Pipe Run 4627 Mud Wt. 9.4  
 Top Packer Depth 4751 Drill Collars Run 119 Vis 58  
 Bottom Packer Depth 4756 Wt. Pipe Run 0 WL 8.8  
 Total Depth 4776 Chlorides 7000 ppm System LCM 3 1/2 #

Blow Description IF- Built for 1"  
S12- No return  
FF- No blow  
S12- No return

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

Rec Total 5 BHT 117 Gravity 1950 API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 2401  Test 1950 T-On Location 19:45  
 (B) First Initial Flow 26  Jars 300 T-Started 19:54  
 (C) First Final Flow 28  Safety Joint \_\_\_\_\_ T-Open 21:58  
 (D) Initial Shut-In 72  Circ Sub N/A T-Pulled 23:58  
 (E) Second Initial Flow 24  Hourly Standby \_\_\_\_\_ T-Out 02:10  
 (F) Second Final Flow 30  Mileage 95 142.50 Comments Out of town, Motor  
 (G) Final Shut-In 62  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 2329  Straddle \_\_\_\_\_  EM Tool B#30

Initial Open 30  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Ruined Packer \_\_\_\_\_  
 Final Flow 30  Extra Packer \_\_\_\_\_  
 Final Shut-In 30  Extra Recorder \_\_\_\_\_  
 Day Standby \_\_\_\_\_ Sub Total 0  
 Accessibility \_\_\_\_\_ Total 2392.50  
 Sub Total 2392.50 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative DWJADg

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ENGLAND 1

