

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. 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) (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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Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	FRISBIE B 1
Doc ID	1378317

All Electric Logs Run

Compensated Density Neutron Log
Dual Induction Log
Micro Resistivity Log
Cement Bond Log

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 386

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9/2/17	19	11	18	Ellis	KS		4:55pm

Location *Hays 1' 7" - 10' 1/2" 1/2" 1/2" w to R₂*

Lease	Well No.	Owner	
<i>Frisbee</i>	<i>B1</i>	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Contractor		Charge To	
<i>D. Spang, #2</i>		<i>J.O. Farmer</i>	
Type Job		Street	
<i>Surface</i>		City	
Hole Size	T.D.	State	
<i>12 1/4</i>	<i>1150</i>		
Csg.	Depth	The above was done to satisfaction and supervision of owner agent or contractor.	
<i>8 5/8</i>	<i>1149</i>	Cement Amount Ordered <i>440 30/20 3/100 2/100</i>	
Tbg. Size	Depth		
Tool	Depth		
Cement Left in Csg.	Shoe Joint		
<i>40'</i>	<i>40'</i>		
Meas Line	Displace		
	<i>70' 1/2 BCL</i>		

EQUIPMENT

No.	Cementer	Common
<i>5</i>	Helper <i>D. Spang</i>	Poz. Mix
No.	Driver <i>D. Spang</i>	Gel.
<i>21</i>	Driver <i>David</i>	Calcium

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<i>8 5/8 bottom fast character</i>	Sand
<i>11 x 440 SK + Displace Plug</i>	Handling
<i>Cement Circulated</i>	Mileage

FLOAT EQUIPMENT

Guide Shoe	<i>8 5/8</i>
Centralizer	<i>Richard King</i>
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	

Signature	Tax
<i>[Signature]</i>	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 044

Date	9-19-17	Sec.	19	Twp.	11	Range	18	County	Ellis	State	KS	On Location		Finish	17:45 AM
Lease								Location							
Frissie B								Way N to River Rd 15 4w							
Well No. 1								Owner							
Contractor Discovery I								To Quality Oilwell Cementing, Inc.							
Type Job prod string								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size 7 7/8				T.D. 3640				Charge To J @ Farmer Inc							
Csg. 5 1/2				Depth				Street							
Tbg. Size				Depth				City				State			
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg. 42'				Shoe Joint 42'				Cement Amount Ordered 170 COM 10% salt							
Meas Line				Displace				5% gilsonite 500 gal mud clear							
EQUIPMENT															
Pumptrk 5		No.		Cementer		Brett		Poz. Mix							
Bulktrk 15		No.		Helper				Gel. RCL 2 gal							
Bulktrk		No.		Driver		Tony		Calcium							
Bulktrk		No.		Driver		Dave		Hulls							
Bulktrk		No.		Driver				Salt 15							
JOB SERVICES & REMARKS															
Remarks:								Flowseal							
Rat Hole 30 SK								Kol-Seal 800th							
Mouse Hole 155 SK								Mud CLR 48 500 gal							
Centralizers 1, 3, 5, 7, 9, 11								CFL-117 or CD110 CAF 38							
Baskets								Sand							
D/V or Port Collar								Handling 203							
Mixed 500 gal mud flush followed w/ 125 SK								Mileage							
Clean lines & displaced & landed plug @ 1300 PSI								FLOAT EQUIPMENT							
Float held								Guide Shoe 1 FS							
								Centralizer 1 LD							
								Baskets 6 Turbo Banks							
								AFU Inserts 45'							
								Float Shoe Rotating (9) Scratchers							
								Latch Down							
Thanks								Pumptrk Charge prod string							
								Mileage 18							
								Tax							
								Discount							
								Total Charge							
Signature <i>Artie B. Klu</i>															



Discovery Drilling

P.O. Box 763 • Hays, KS 67601 • OFFICE (785) 623-2920 • CELLULAR (785) 635-1511

DRILLER'S LOG

Operator: John O. Farmer, Inc. Lic# 5135 Contractor: **Discovery Drilling Co., Inc. LIC#31548**
370 West Wichita Avenue - P.O. Box 352 PO Box 763
Russell, KS 67665 + 2635 Hays, KS 67601

Lease: Frisbie "B" # 1 Location: 2080 FNL - 1110 FEL
NW/SW/SE/NE
Section 19/ 11S/ 18W
Ellis County, KS

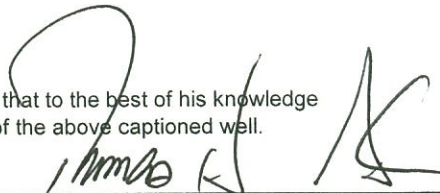
Loggers Total Depth: 3639' API#15- 051-26,889-00-00
Rotary Total Depth: 3640' Elevation: 1986 GL - 1994 KB
Commenced: 9/11/2017 Completed: 9/19/2017
Casing: 8 5/8" @ 1150'W/440sks Status: Oil Well
5 1/2" @ 3637'W/125sks

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shale	<u>0'</u>	Shale	<u>1342'</u>
Dakota Sand	<u>569'</u>	Shale & Lime	<u>1827'</u>
Shale	<u>632'</u>	Shale	<u>2154'</u>
Cedar Hill Sand	<u>778'</u>	Shale & Lime	<u>2496'</u>
Red Bed Shale	<u>987'</u>	Lime & Shale	<u>3212'</u>
Anhydrite	<u>1291'</u>	RTD	<u>3640'</u>
Base Anhydrite	<u>1342'</u>		

STATE OF KANSAS))
) ss
COUNTY OF ELLIS))

Thomas H. Alm of Discovery Drilling states that to the best of his knowledge the above and foregoing is a true and correct log of the above captioned well.



Thomas H. Alm

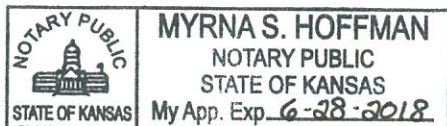
Subscribed and sworn to before me on 9-26-2017

My Commission expires: 6-28-2018

(Place stamp or seal below)



Notary Public





AUSTIN B. KLAUS



Cell 785.650.3629
Work 785.483.3145
Ext 225

PO BOX 352
Russell, KS 67665
austin.klaus@johnofarmer.com

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Frisbie B #1
Location: Ellis County
License Number: API #15-051-26,889-0000
Spud Date: 9/11/17
Surface Coordinates: Section 19, Township 11 South, Range 18 West
2,080' FNL & 1,110' FEL
Bottom Hole Coordinates: Vertical well w/ minimal deviation, same as above
Ground Elevation (ft): 1,986
Logged Interval (ft): 2,900 To: 3,640
Formation: LKC, Arbuckle
Type of Drilling Fluid: Chemical (Andy's)

Region: Kansas
Drilling Completed: 9/19/17
K.B. Elevation (ft): 1,994
Total Depth (ft): 3,640

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

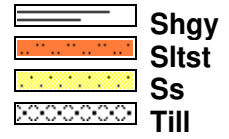
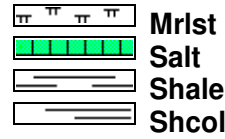
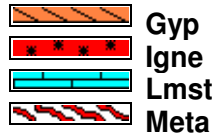
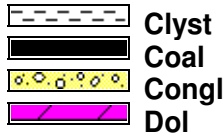
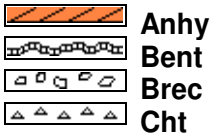
Company: John O. Farmer, Inc.
Address: 370 W. Wichita Ave.
Russell, KS 67665

Comments

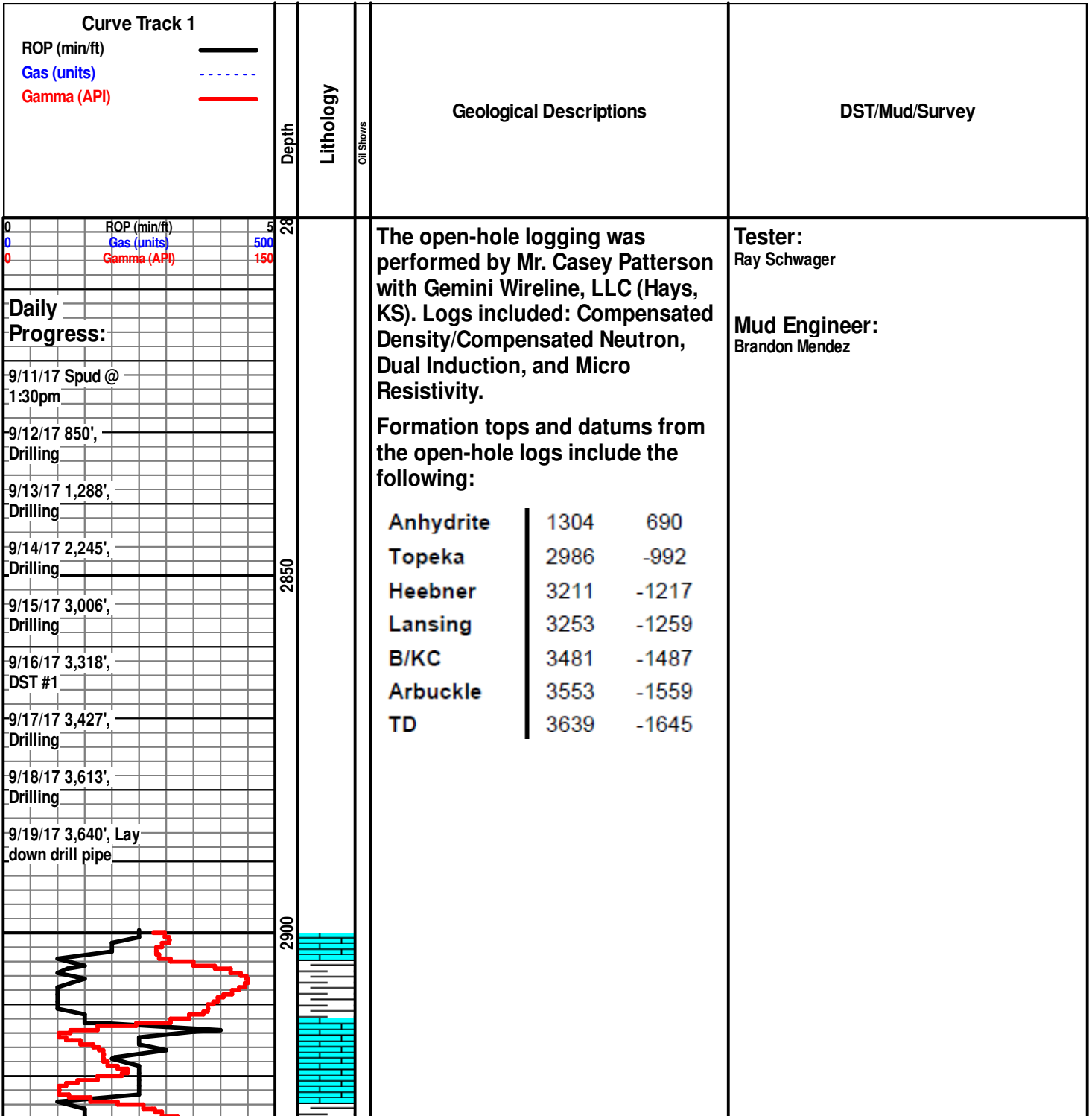
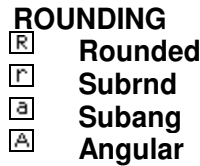
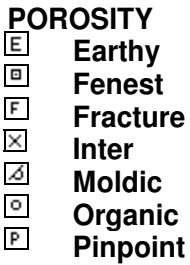
The Frisbie B #1 well was drilled by Discovery Drilling, Rig #2 (Tool Pusher: Terry Wickham).

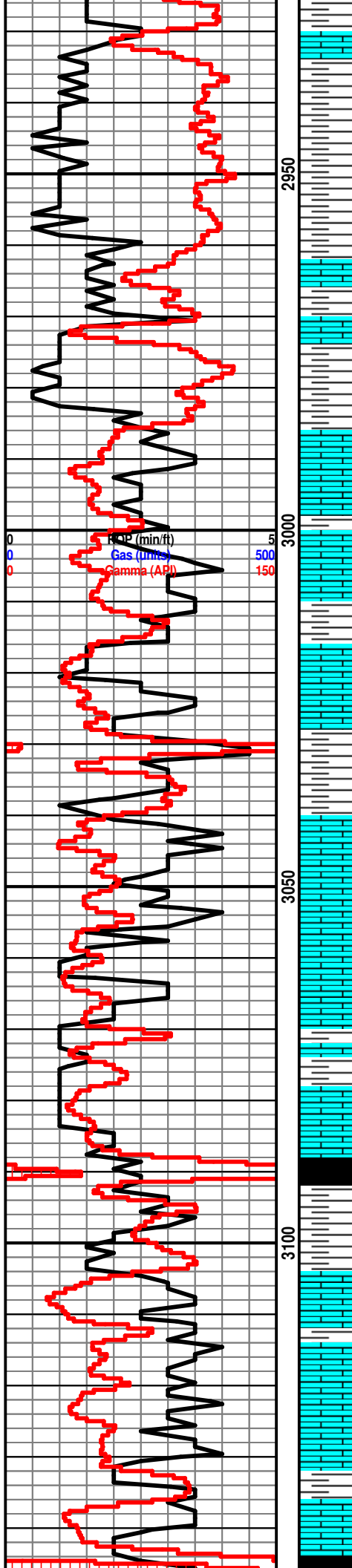
The location for the Frisbie B #1 well was found via 3-D seismic survey. Geologic samples were collected and evaluated from 2,900' - 3,640'. Three bottom-hole drill stem tests were conducted in the Lansing, one of which yielded positive results. Structurally, the Frisbie B #1 ran 2' high at the Lansing and 15' high at the Arbuckle, to the Frisbie #1-19. Upon completion of the logging operation, a straddle test was conducted over the top 15' of the Arbuckle, which resulted in muddy water. Upon completion of the drill stem test, 5 1/2" production casing was cemented to further evaluate the Frisbie B #1 well on 9/19/17.

ROCK TYPES



OTHER SYMBOLS





Ls: tan-gry, fn xln, mostly DNS, scat foss

Ls: ala, scat sh: lt-drk gry

Topeka 2983' (-989)

Ls: tan-gry, fn xln, mostly DNS, scat foss

Ls: ala

Ls: tan-gry, fn xln, foss, poor-fair int xln & pp vuggy porosity, NSFO

Sh: lt gry-drk gry

Ls: tan-gry, fn xln, mostly DNS

Sh: lt gry

Ls: tan-gry, fn-sub xln, mostly DNS, scat foss

Ls: ala

Ls: off wh-tan, fn xln, foss, poor-fair int xln porosi, scat dead oil stn, NSFO, no odor

Sh: lt gry-drk gry

Sh: drk gry-blk

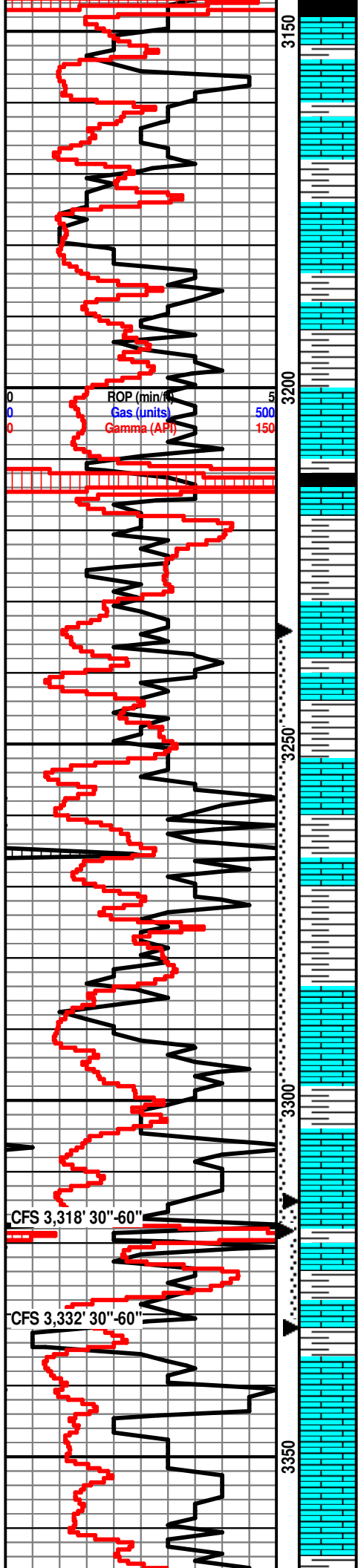
Sh: lt gry-brn

Ls: tan-gry, fn xln, scat foss, mostly DNS

Ls: tan-gry, fn-sub xln, mostly DNS, scat foss, scat chert

Sh: lt gry-brn

Sh: lt drk gry-blk



Sn: lt-drk gry-blk
Ls: off wh-tan, fn xln, poor-fair int xln & scat pp vuggy porosity, NSFO, no odor

Ls: tan-lt gry, fn xln, scat foss, NSFO

Sh: lt gry-brn

Ls: tan-gry, fn xln, fair int xln & vuggy porosity, scat dead oil stn, NSFO

Ls: ala

Sh: lt gry-drk gry

Heebner 3209' (-1215)

Sh: blk, carb fissile

Sh: lt-drk gry-brn

Toronto 3231' (-1237)

Ls: off wh-tan, fn xln, scat foss, poor int xln porosity, scat oil stn, NSFO, no odor

Sh: lt gry

Lansing 3251' (-1257)

Ls: off wh-tan, fn xln, few pcs w/ poor-fair int xln & scat pp vuggy porosity, fair oil sat, VSSFO, sl odor

Sh: lt gry-brn

Ls: off wh-tan, fn xln, mostly DNS, NSFO

Sh: lt gry

Ls: off wh-tan, fn xln, ool, fair ool porosity, scat vuggy porosity, fair-good oil sat, SSFO, sl odor, fair yel fluor

Sh: lt gry-brn

Ls: off wh-tan, fn xln, scat foss, poor int xln & vuggy porosity, fair oil stn, VSSFO, sl odor

Sh: drk gry-blk

Ls: off wh-tan, fn xln, foss, poor-fair int xln & int foss porosity, fair oil stn, VSSFO, sl odor

Ls: off wh-tan, fn xln, highly frac, good int frac porosity, scat oil stn, VSSFO, no odor

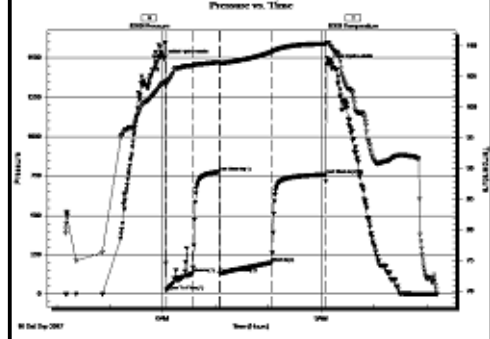
Ls: off wh-tan, fn xln, poor int xln porosity, NSFO, no odor

Ls: off wh-tan, fn-sub xln, mostly DNS, scat chert-off wh

DST #1 3,234'-3,318' (Lansing A-D)
30" - 30" - 60" - 60"

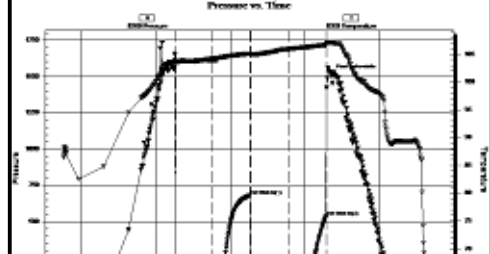
IF: BOB in 25 minutes, no blow back on shut in
FF: BOB in 25 minutes, 1/4" blow back on shut in
Rec: 330' Gas in pipe
165' MGO (10% M, 15% G, 75% O)
124' G&WCMO (10% G, 10% W, 40% M, 40% O)
62' O&GCMW (10% O, 15% G, 35% M, 40% W)

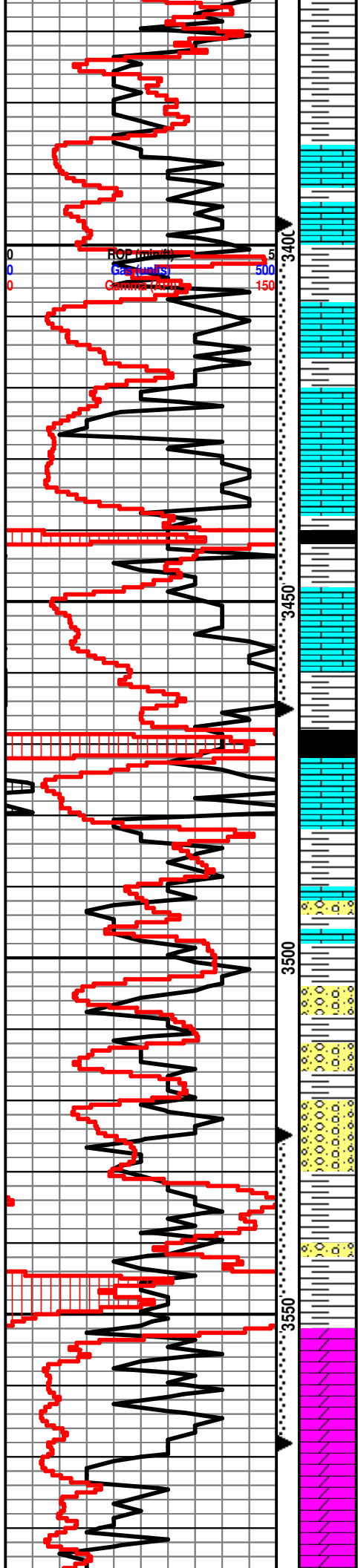
351' Total Fluid Recovery
FP: 23-132, 133-200#
SIP: 776-760#
HP: 1,494- 1,463#
BHT: 110°



DST #2 3,314'-3,332' (Lansing E-F)
30" - 30" - 30" - 30"

IF: weak surface blow built to 1/8"
FF: no blow
Rec: 10' OCM (10% O, 90% M)
FP: 17-35, 22-21#
SIP: 679-535#
HP: 1,551- 1,514#
BHT: 107°





Sh: drk gry-blk

Sh: lt gry-drk gry

Ls: off wh-tan, fn xln, scat foss, fair int xln & scat int foss porosity, scat oil stn, VSSFO, sl odor

Sh: lt gry-drk gry

Ls: off wh-tan, fn xln, poor int xln & scat pp vuggy porosity, fair oil stn, VSSFO, sl odor

Sh: drk gry

Ls: off wh-tan, fn xln, ool, fair-good ool porosity, good oil sat, SSFO, fair odor, fair yel fluor

Sh: drk gry-blk

Ls: off wh-tan, fn xln, poor-fair int xln porosity, scat dead oil stn, NSFO, no odor

Sh: lt-drk gry

Ls: off wht-crm, fn xln, dense in pt, chalky in pt, spotty stain, some odor, SSFO

B/KC 3,477' (-1,483)

Sh: gry-drk gry, scat maroon

Sh: ala

Cong: lt gry, sub ang-sub round, fn-crs grn, dirty red mtrx, dense, NFSO, no odor & dark brn-maroon sh.

Cong: ala

Cht: drk yellow-tan, some dk red-maroon in pt. very dense

Sh: gry-drk gry, teal, brown-maroon, some cong and cht present as above, NSFO, No odor

Sh: ala

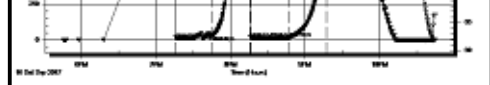
Simpson Sd. 3,558' (-1,564)

Sd: qtz sd, fn-med grain, sub ang-sub round, VSSFO, sl odor

Arbuckle 3,564' (-1,570)

Dolo: buff-tan, med xln. fair-good visible xln por, dark stain, thick tar sticky oil, SSFO, sl odor

Dolo: gry, med xln, fair xln por, fair odor, dark thick tar like oil stain, VSSFO when crushed



DST #3 3,397'-3,465' (Lansing I-K)

30" - 30" - 60" - 60"

IF: weak blow built to 8", no blow back on shut in
FF: weak blow built to 6", no blow back on shut in

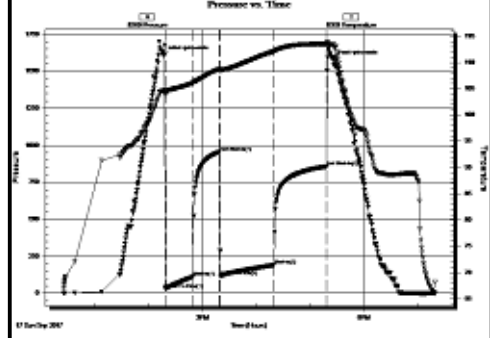
Rec: 372' Water

FP: 26-110, 114-190#

SIP: 954-856#

HP: 1,605- 1,577#

BHT: 110°



01 Dec 2007

DST #4 3,525'-3,568' (Top 15' of Arbuckle)

15" - 30" - 10" - 30"

IF: BOB in 6 minutes, no blow back on shut in
FF: BOB immediately, no blow back on shut in

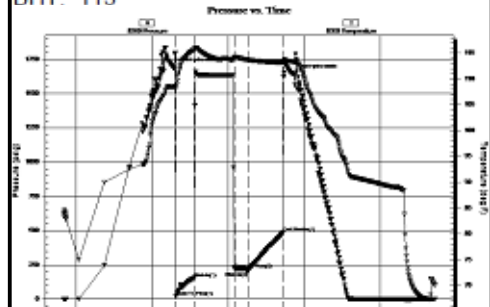
Rec: 435' MW (40% M, 60% W) Chl. 24K

FP: 21-155, 221-200#

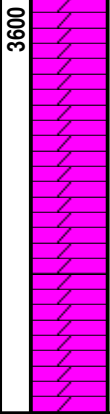
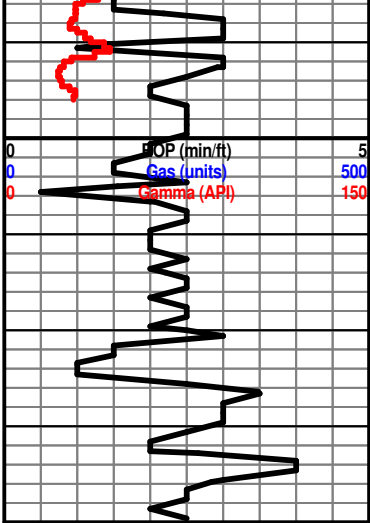
SIP: 486#

HP: 1,688- 1,642#

BHT: 113°



01 Dec 2007

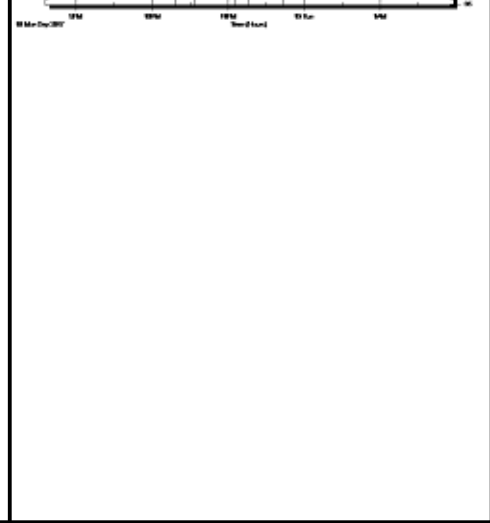


Dolo: off wh-tan, fn-md xln, poor-fair int xln porosity, fair oil sat, VSSFO, fair odor, fair yel fluor

Dolo: off wh-tan, fn-md xln, fair-good int xln porosity, fair ool sat, NSFO, sl odor

Dolo: off wh-tan, md xln, good int xln & scat vuggy porosity, NSFO, no odor

Dolo: ala





DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: Austin Klaus

Frisbie B#1

19-11s-18w Ellis,KS

Start Date: 2017.09.16 @ 04:10:07

End Date: 2017.09.16 @ 11:12:01

Job Ticket #: 63076 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.19 @ 16:25:02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc
 PO Box 352
 Russell KS 67665-2635
 ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
 Job Ticket: 63076 **DST#: 1**
 Test Start: 2017.09.16 @ 04:10:07

GENERAL INFORMATION:

Formation: **LKC A-D**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 06:04:17
 Time Test Ended: 11:12:01
 Interval: **3234.00 ft (KB) To 3318.00 ft (KB) (TVD)**
 Total Depth: 3318.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1994.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 8.00 ft

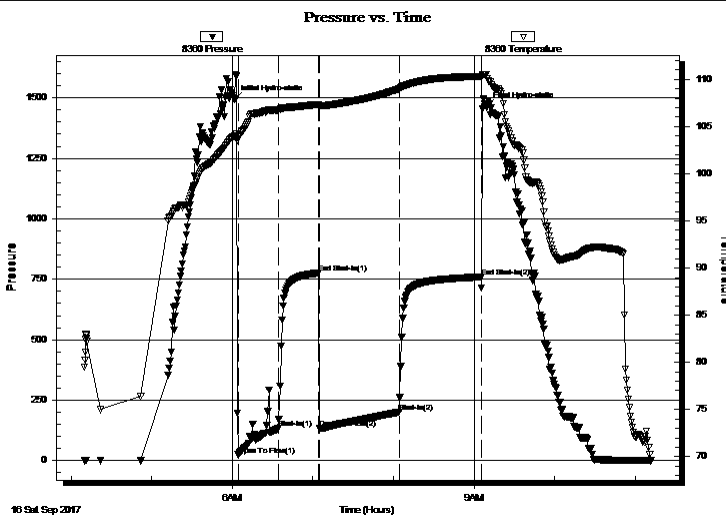
Serial #: 8360

Inside

Press@RunDepth: 200.47 psig @ 3236.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.09.16 End Date: 2017.09.16 Last Calib.: 2017.09.16
 Start Time: 04:10:07 End Time: 11:12:01 Time On Btm: 2017.09.16 @ 06:02:02
 Time Off Btm: 2017.09.16 @ 09:09:16

TEST COMMENT: 30-IFP-w k to BOB in 25 min
 30-ISIP-no bl bk
 60-FFP-w k to BOB in 22 min
 60-FSIP-1/4" bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1494.33	103.99	Initial Hydro-static
3	23.36	103.88	Open To Flow (1)
33	131.92	106.75	Shut-In(1)
62	775.87	107.35	End Shut-In(1)
63	133.47	107.19	Open To Flow (2)
123	200.47	108.99	Shut-In(2)
184	759.72	110.30	End Shut-In(2)
188	1462.61	110.52	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	O&GCMW 15%G10%O35%M40%W	0.44
124.00	G&WCMO 10%G10%W40%M40%O	0.88
165.00	MGO 15%G10%M75%O	1.88
0.00	330' GIP	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc
PO Box 352
Russell KS 67665-2635
ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
Job Ticket: 63076 **DST#: 1**
Test Start: 2017.09.16 @ 04:10:07

Tool Information

Drill Pipe:	Length: 2969.00 ft	Diameter: 3.80 inches	Volume: 41.65 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 248.00 ft	Diameter: 2.70 inches	Volume: 1.76 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 43.41 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3234.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	105.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3214.00	
Shut In Tool	5.00			3219.00	
Hydraulic tool	5.00			3224.00	
Packer	5.00			3229.00	21.00 Bottom Of Top Packer
Packer	5.00			3234.00	
Stubb	1.00			3235.00	
Perforations	1.00			3236.00	
Recorder	0.00	8360	Inside	3236.00	
Recorder	0.00	8673	Outside	3236.00	
Blank Spacing	64.00			3300.00	
Perforations	15.00			3315.00	
Bullnose	3.00			3318.00	84.00 Bottom Packers & Anchor

Total Tool Length: 105.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc
PO Box 352
Russell KS 67665-2635
ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
Job Ticket: 63076 **DST#: 1**
Test Start: 2017.09.16 @ 04:10:07

Mud and Cushion Information

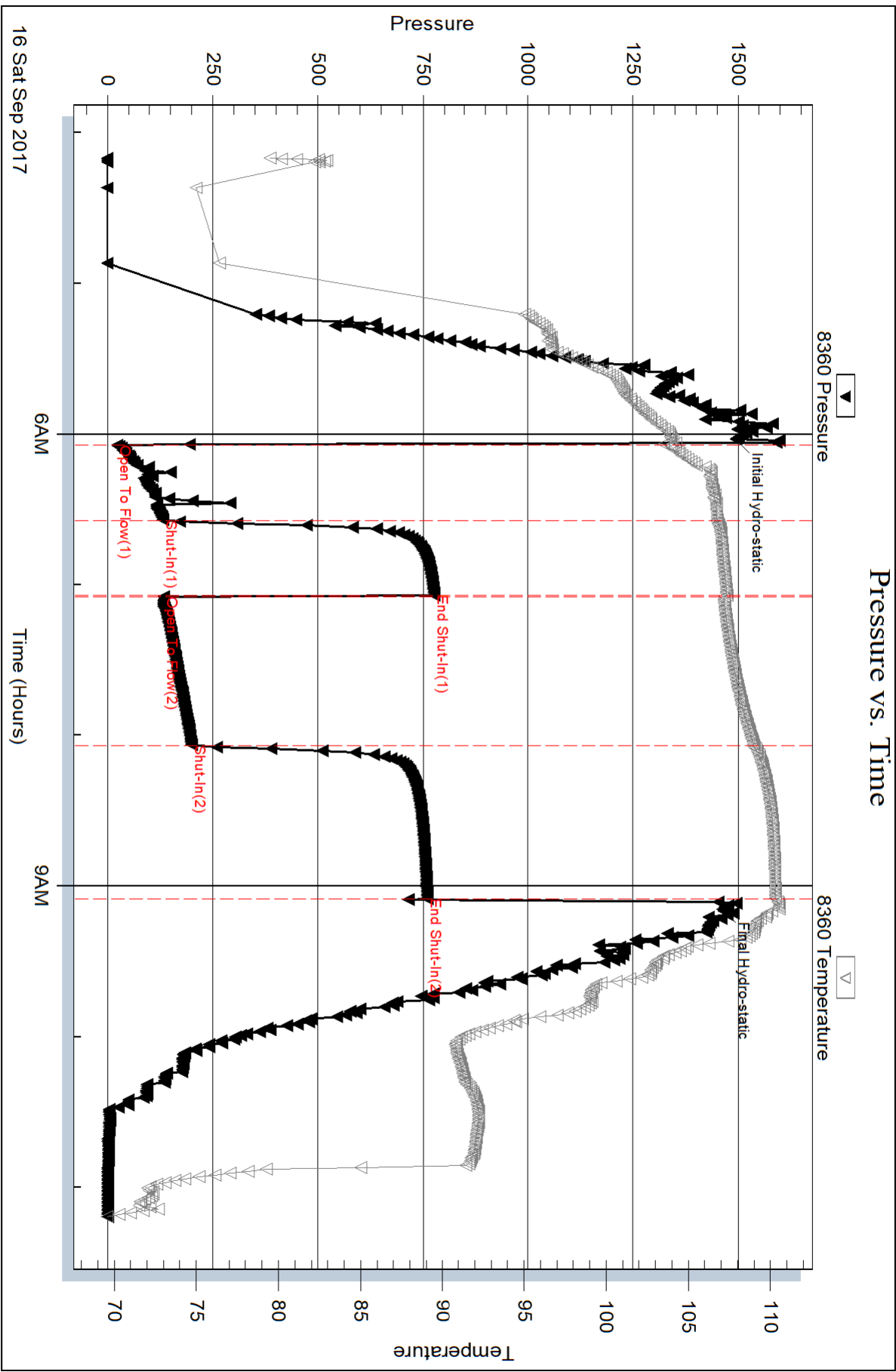
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	75000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.71 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	O&GCMW 15%G10%O35%M40%W	0.439
124.00	G&WCMO 10%G10%W40%M40%O	0.878
165.00	MGO 15%G10%M75%O	1.884
0.00	330' GIP	0.000

Total Length: 351.00 ft Total Volume: 3.201 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .1 @ 70F

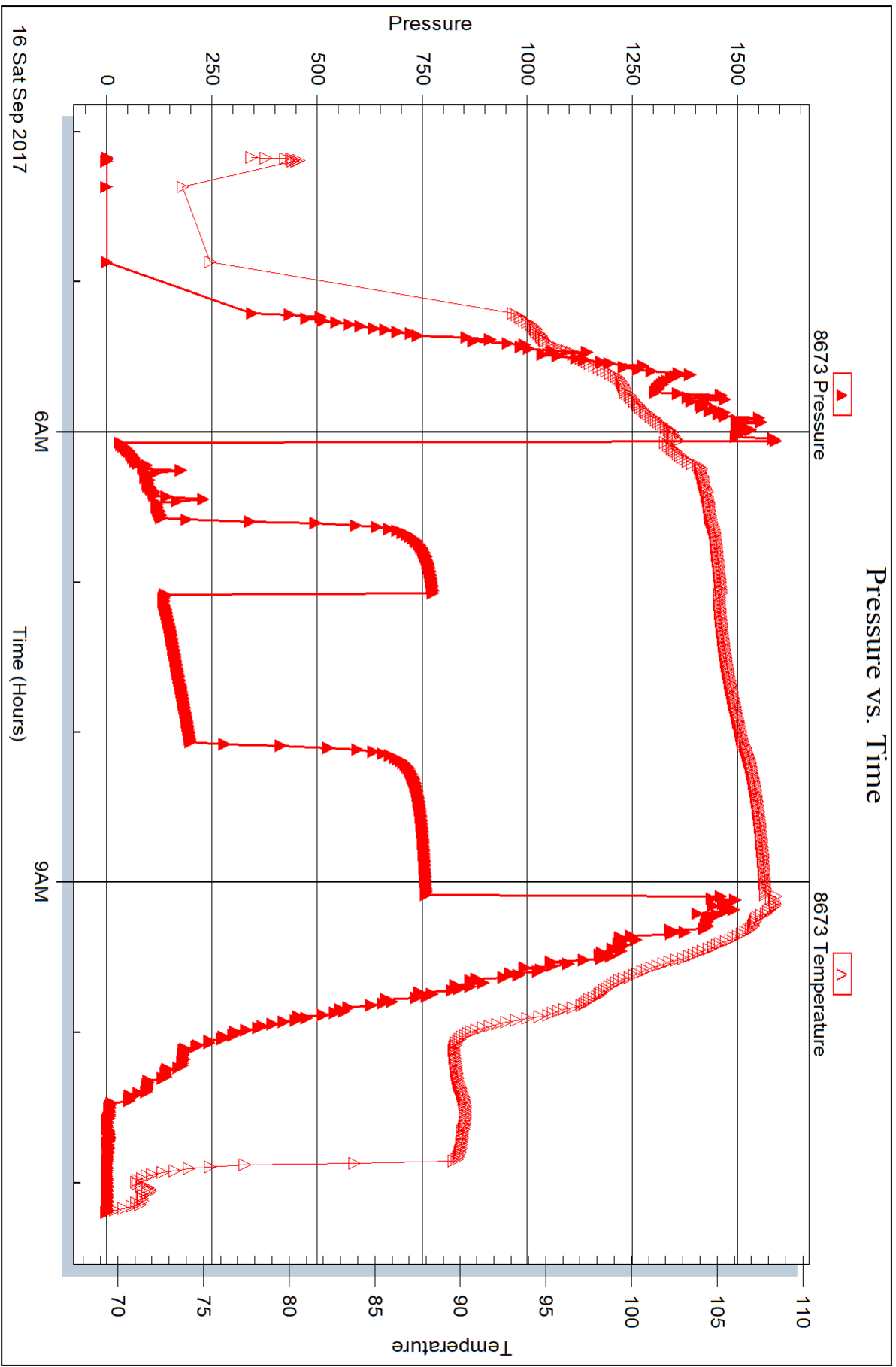


Serial #: 8673

Outside John O Farmer Inc

Friskie B#1

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 63076

Printed: 2017.09.19 @ 16:25:03



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: Austin Klaus

Frisbie B#1

19-11s-18w Ellis,KS

Start Date: 2017.09.16 @ 17:45:49

End Date: 2017.09.16 @ 22:44:28

Job Ticket #: 63077 DST #: 2

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

Printed: 2017.09.19 @ 16:22:04



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc
 PO Box 352
 Russell KS 67665-2635
 ATTN: Austin Klaus

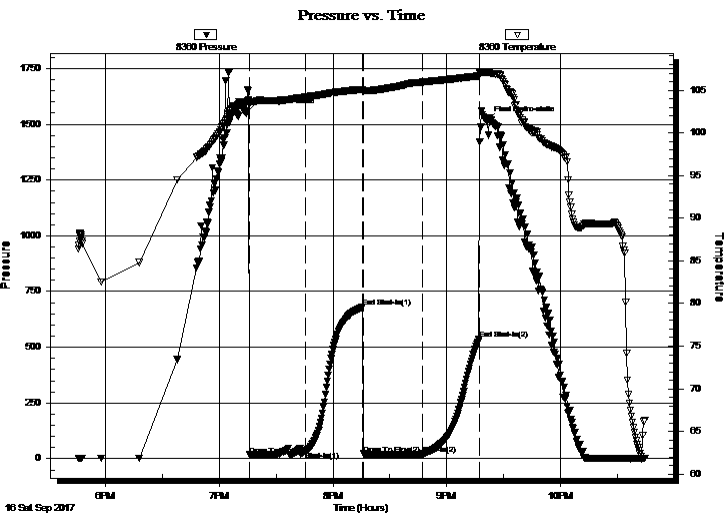
19-11s-18w Ellis,KS
Frisbie B#1
 Job Ticket: 63077 **DST#: 2**
 Test Start: 2017.09.16 @ 17:45:49

GENERAL INFORMATION:

Formation: **LKC E-F**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 19:15:59
 Time Test Ended: 22:44:28
 Interval: **3314.00 ft (KB) To 3332.00 ft (KB) (TVD)**
 Total Depth: 3332.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1994.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8360 **Inside**
 Press@RunDepth: 20.52 psig @ 3316.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.09.16 End Date: 2017.09.16 Last Calib.: 2017.09.16
 Start Time: 17:45:49 End Time: 22:44:28 Time On Btm: 2017.09.16 @ 19:14:14
 Time Off Btm: 2017.09.16 @ 21:21:14

TEST COMMENT: 30-IFP-vy w k bl thru-out 1/8" to surface bl
 30-ISIP-no bl bk
 30-FFP-no bl
 30-FSIP-no bl bk



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1551.32	103.66	Initial Hydro-static
2	17.40	103.32	Open To Flow (1)
32	35.13	104.20	Shut-In(1)
62	679.20	105.09	End Shut-In(1)
62	21.64	104.93	Open To Flow (2)
93	20.52	105.93	Shut-In(2)
123	534.67	106.67	End Shut-In(2)
127	1514.48	107.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	OCM 10%O90%M	0.07

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc
PO Box 352
Russell KS 67665-2635
ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
Job Ticket: 63077 **DST#: 2**
Test Start: 2017.09.16 @ 17:45:49

Tool Information

Drill Pipe:	Length: 3065.00 ft	Diameter: 3.80 inches	Volume: 42.99 bbl	Tool Weight:	22000.00 lb
Heavy Wt. Pipe:	Length: 248.00 ft	Diameter: 2.70 inches	Volume: 1.76 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	75000.00 lb
			<u>Total Volume: 44.75 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3314.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	39.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3294.00	
Shut In Tool	5.00			3299.00	
Hydraulic tool	5.00			3304.00	
Packer	5.00			3309.00	21.00 Bottom Of Top Packer
Packer	5.00			3314.00	
Stubb	1.00			3315.00	
Perforations	1.00			3316.00	
Recorder	0.00	8360	Inside	3316.00	
Recorder	0.00	8673	Outside	3316.00	
Perforations	13.00			3329.00	
Bullnose	3.00			3332.00	18.00 Bottom Packers & Anchor

Total Tool Length: 39.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc
PO Box 352
Russell KS 67665-2635
ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
Job Ticket: 63077 **DST#: 2**
Test Start: 2017.09.16 @ 17:45:49

Mud and Cushion Information

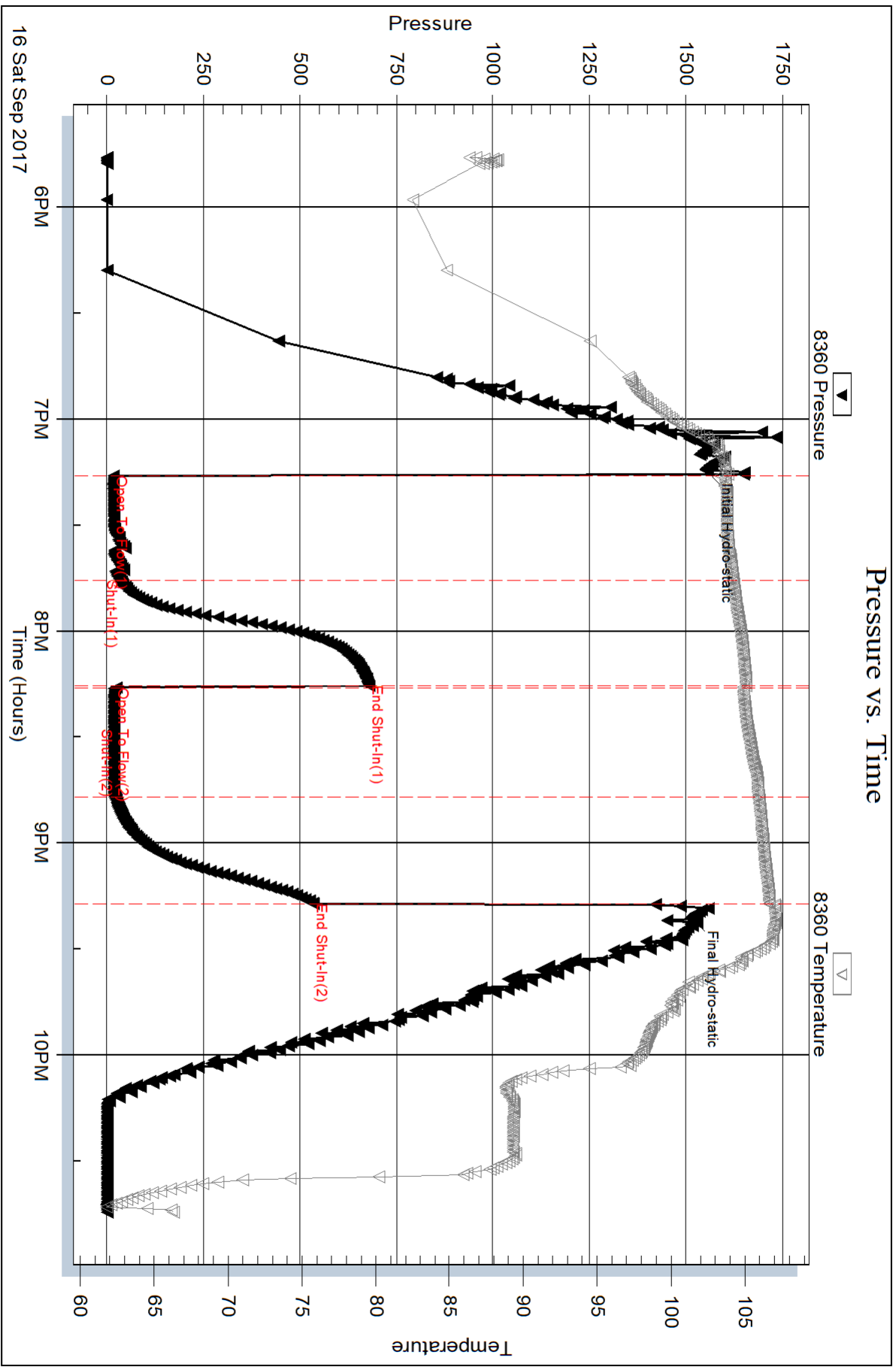
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.94 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

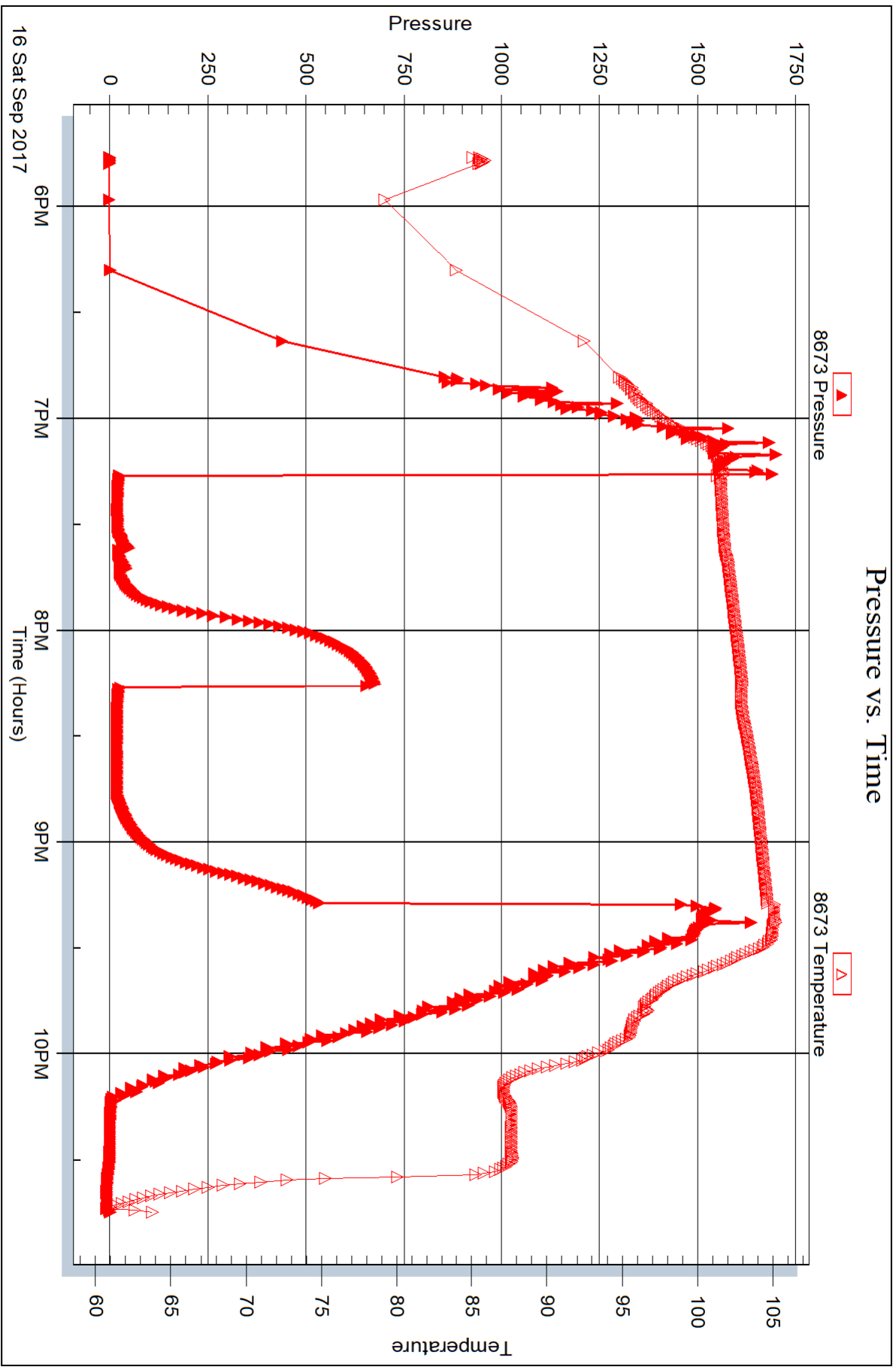
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	OCM 10%O90%M	0.071

Total Length: 10.00 ft Total Volume: 0.071 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: Austin Klaus

Frisbie B#1

19-11s-18w Ellis,KS

Start Date: 2017.09.17 @ 12:25:47

End Date: 2017.09.17 @ 19:19:26

Job Ticket #: 63078 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2017.09.19 @ 16:17:11



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

John O Farmer Inc
 PO Box 352
 Russell KS 67665-2635
 ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
 Job Ticket: 63078 **DST#: 3**
 Test Start: 2017.09.17 @ 12:25:47

GENERAL INFORMATION:

Formation: **LKC I-K**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:19:12
 Time Test Ended: 19:19:26
 Interval: **3397.00 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 (Reset)
 Tester: Ray Schwager
 Unit No: 77
 Reference Elevations: 1994.00 ft (KB)
 1986.00 ft (CF)
 KB to GR/CF: 8.00 ft

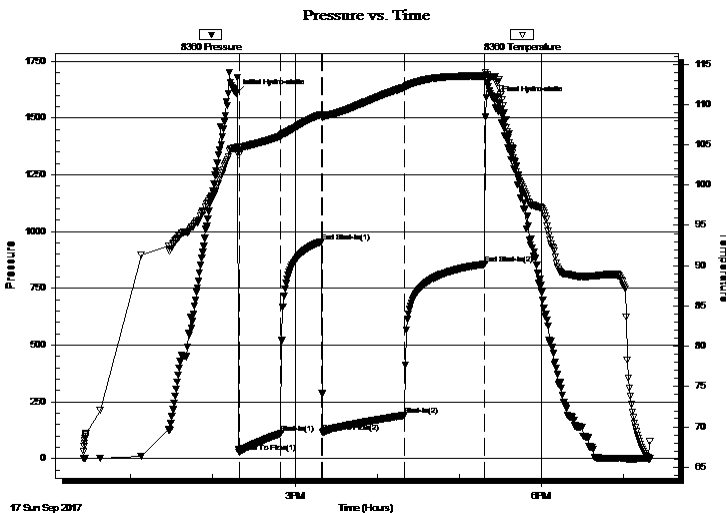
Serial #: 8360

Inside

Press@RunDepth: 190.86 psig @ 3400.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.09.17 End Date: 2017.09.17 Last Calib.: 2017.09.17
 Start Time: 12:25:47 End Time: 19:19:26 Time On Btm: 2017.09.17 @ 14:17:27
 Time Off Btm: 2017.09.17 @ 17:25:56

TEST COMMENT: 30-IFP-w k to a gd bl 1/2" to 8" bl
 30-ISIP-no bl bk
 60-FFP-w k to a fr bl surface to 6" bl
 60-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1605.90	104.66	Initial Hydro-static
2	26.45	104.43	Open To Flow (1)
33	110.25	106.07	Shut-In(1)
62	954.91	108.75	End Shut-In(1)
63	114.59	108.54	Open To Flow (2)
123	190.86	112.13	Shut-In(2)
182	856.95	113.53	End Shut-In(2)
189	1577.01	113.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
310.00	Water	2.63
62.00	MW 20%M80%W w/show of oil	0.87

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc
 PO Box 352
 Russell KS 67665-2635
 ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
 Job Ticket: 63078 **DST#: 3**
 Test Start: 2017.09.17 @ 12:25:47

Tool Information

Drill Pipe:	Length: 3156.00 ft	Diameter: 3.80 inches	Volume: 44.27 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 248.00 ft	Diameter: 2.70 inches	Volume: 1.76 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 46.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3397.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	68.00 ft			
Tool Length:	89.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3377.00	
Shut In Tool	5.00			3382.00	
Hydraulic tool	5.00			3387.00	
Packer	5.00			3392.00	21.00 Bottom Of Top Packer
Packer	5.00			3397.00	
Stubb	1.00			3398.00	
Perforations	2.00			3400.00	
Recorder	0.00	8360	Inside	3400.00	
Recorder	0.00	8673	Outside	3400.00	
Blank Spacing	33.00			3433.00	
Perforations	29.00			3462.00	
Bullnose	3.00			3465.00	68.00 Bottom Packers & Anchor

Total Tool Length: 89.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc
PO Box 352
Russell KS 67665-2635
ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
Job Ticket: 63078 **DST#: 3**
Test Start: 2017.09.17 @ 12:25:47

Mud and Cushion Information

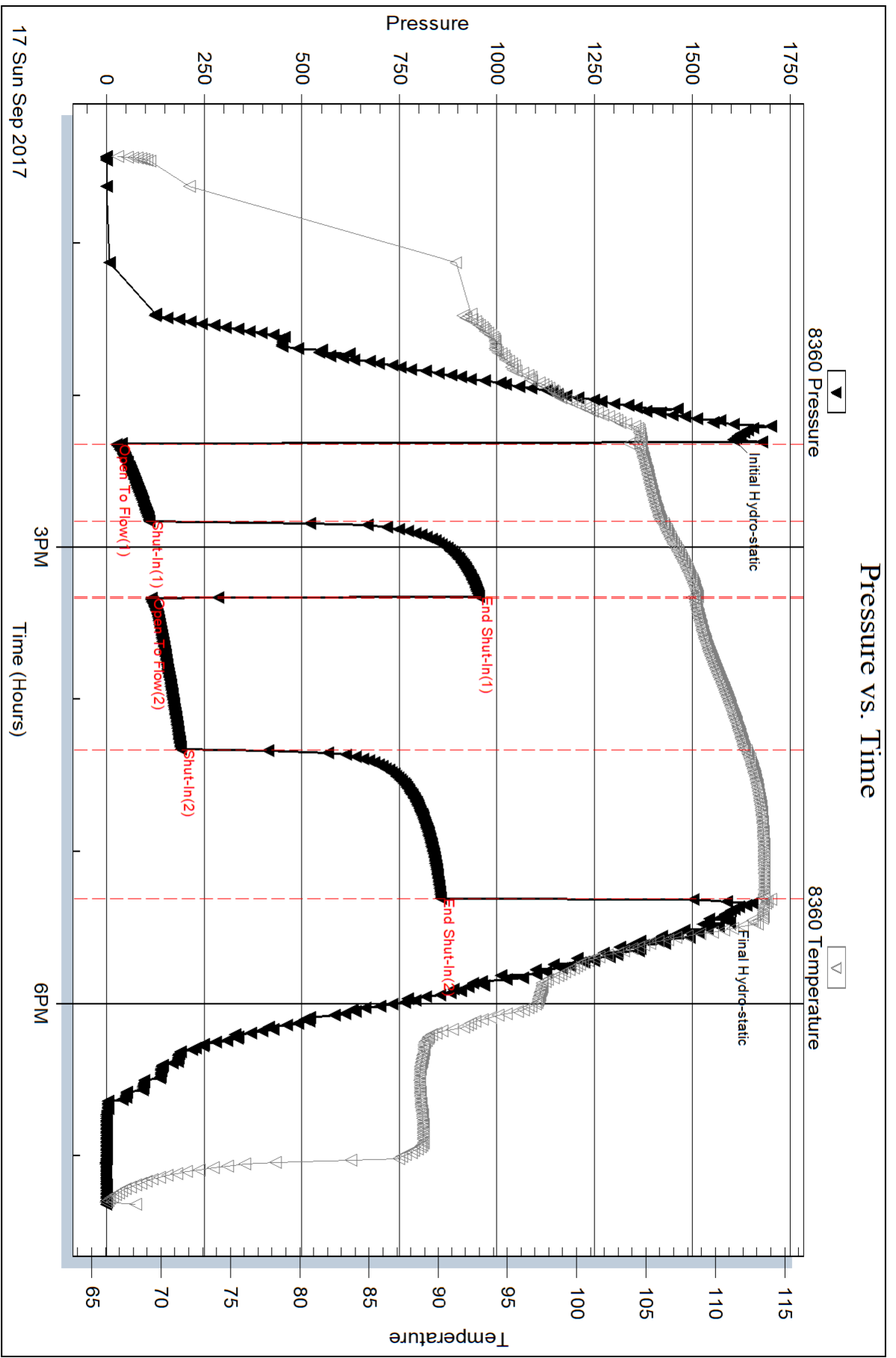
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	70000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.93 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 7500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
310.00	Water	2.626
62.00	MW 20%M80%W w/show of oil	0.870

Total Length: 372.00 ft Total Volume: 3.496 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .1@75F

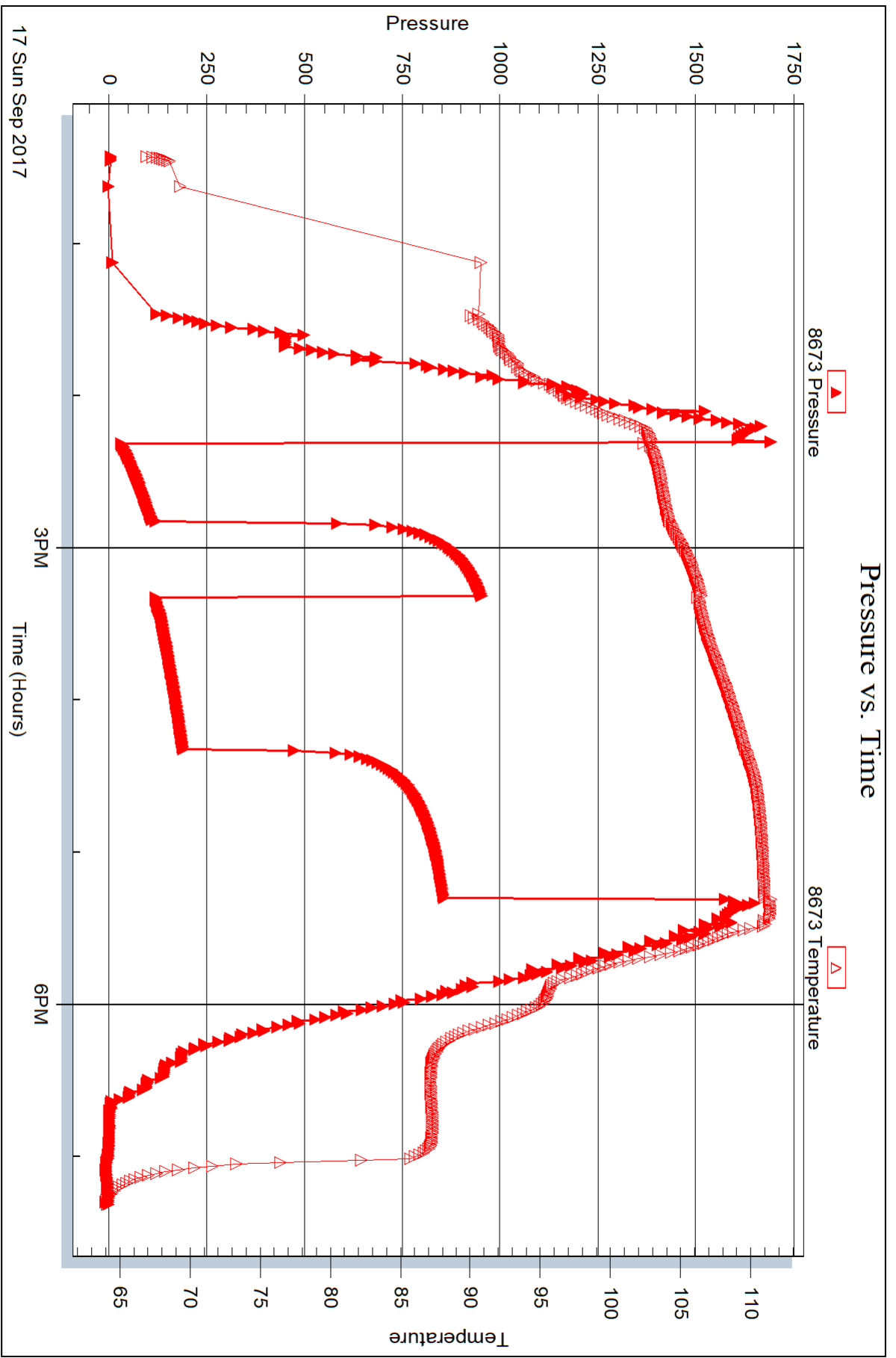


Serial #: 8673

Outside John O Farmer Inc

Frisbie B#1

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 63078

Printed: 2017.09.19 @ 16:17:12



DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Russell KS 67665-2635

ATTN: Austin Klaus

Frisbie B#1

19-11s-18w Ellis,KS

Start Date: 2017.09.18 @ 20:50:06

End Date: 2017.09.19 @ 01:43:30

Job Ticket #: 63079 DST #: 4

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

Printed: 2017.09.19 @ 16:12:11



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer Inc
 PO Box 352
 Russell KS 67665-2635
 ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
 Job Ticket: 63079 **DST#: 4**
 Test Start: 2017.09.18 @ 20:50:06

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 22:18:46
 Tester: Ray Schwager
 Time Test Ended: 01:43:30
 Unit No: 77
 Interval: **3525.00 ft (KB) To 3568.00 ft (KB) (TVD)**
 Reference Elevations: 1994.00 ft (KB)
 Total Depth: 3640.00 ft (KB) (TVD)
 1986.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 8.00 ft

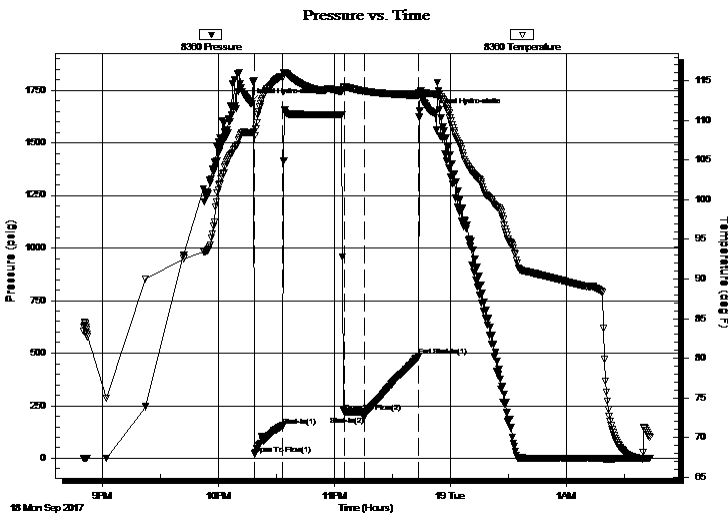
Serial #: 8360

Inside

Press@RunDepth: 154.73 psig @ 3527.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2017.09.18 End Date: 2017.09.19 Last Calib.: 2017.09.19
 Start Time: 20:50:06 End Time: 01:43:30 Time On Btm: 2017.09.18 @ 22:16:31
 Time Off Btm: 2017.09.18 @ 23:51:16

TEST COMMENT: 15-IFP-BOB in 6 min
 30-ISIP-no bl bk
 10-FFP-BOB thru-out
 30-FSIP-no bl bk

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1688.48	108.44	Initial Hydro-static
3	20.89	108.06	Open To Flow (1)
17	154.73	115.48	Shut-In(1)
49	221.09	114.25	Open To Flow (2)
59	199.56	113.68	Shut-In(2)
87	485.92	113.15	End Shut-In(1)
95	1641.98	113.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
435.00	MW 40%M60%W	4.38

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc
 PO Box 352
 Russell KS 67665-2635
 ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
 Job Ticket: 63079 **DST#: 4**
 Test Start: 2017.09.18 @ 20:50:06

Tool Information

Drill Pipe:	Length: 3282.00 ft	Diameter: 3.80 inches	Volume: 46.04 bbl	Tool Weight: 22000.00 lb
Heavy Wt. Pipe:	Length: 248.00 ft	Diameter: 2.70 inches	Volume: 1.76 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 75000.00 lb
			Total Volume: 47.80 bbl	Tool Chased 6.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3525.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	119.00 ft			
Tool Length:	140.00 ft			
Number of Packers:	2	Diameter:	6.75 inches	

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3505.00	
Shut In Tool	5.00			3510.00	
Hydraulic tool	5.00			3515.00	
Packer	5.00			3520.00	21.00 Bottom Of Top Packer
Packer	5.00			3525.00	
Stubb	1.00			3526.00	
Perforations	1.00			3527.00	
Recorder	0.00	8360	Inside	3527.00	
Recorder	0.00	8673	Outside	3527.00	
Blank Spacing	32.00			3559.00	
Perforations	5.00			3564.00	
Blank Off Sub	1.00			3565.00	
Blank Spacing	3.00			3568.00	119.00 Tool Interval
Packer	5.00			3573.00	
Stubb	1.00			3574.00	
Perforations	3.00			3577.00	
Recorder	0.00	8678	Below	3577.00	
Blank Spacing	64.00			3641.00	
Bullnose	3.00			3644.00	1000139.00 Bottom Packers & Anchor

Total Tool Length: 140.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc
PO Box 352
Russell KS 67665-2635
ATTN: Austin Klaus

19-11s-18w Ellis,KS
Frisbie B#1
Job Ticket: 63079 **DST#: 4**
Test Start: 2017.09.18 @ 20:50:06

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:	24000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.96 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 8000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
435.00	MW 40%M60%W	4.379

Total Length: 435.00 ft Total Volume: 4.379 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: RW .3@65F

Serial #: 8360

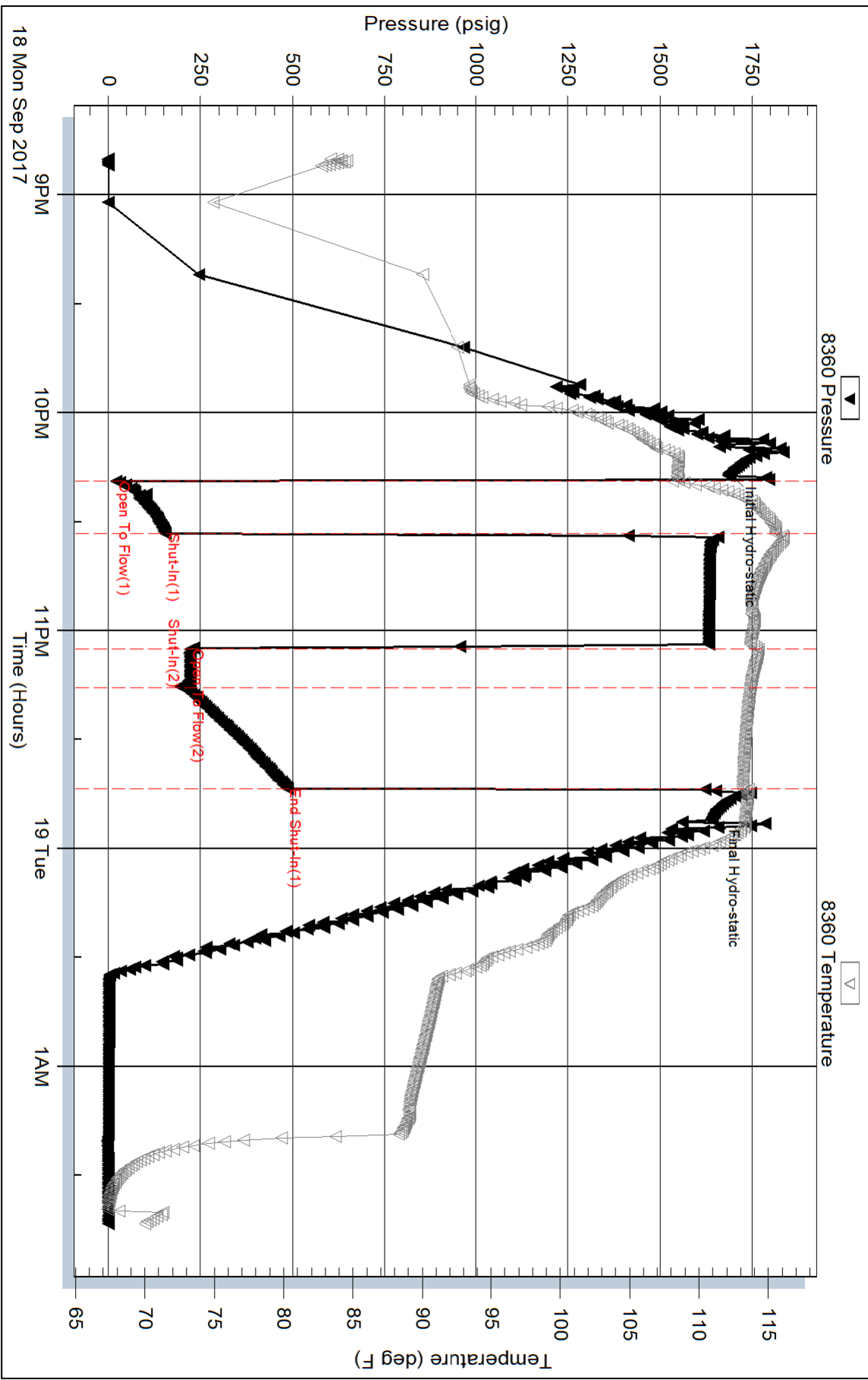
Inside

John O Farmer Inc

Frisbie B#1

DST Test Number: 4

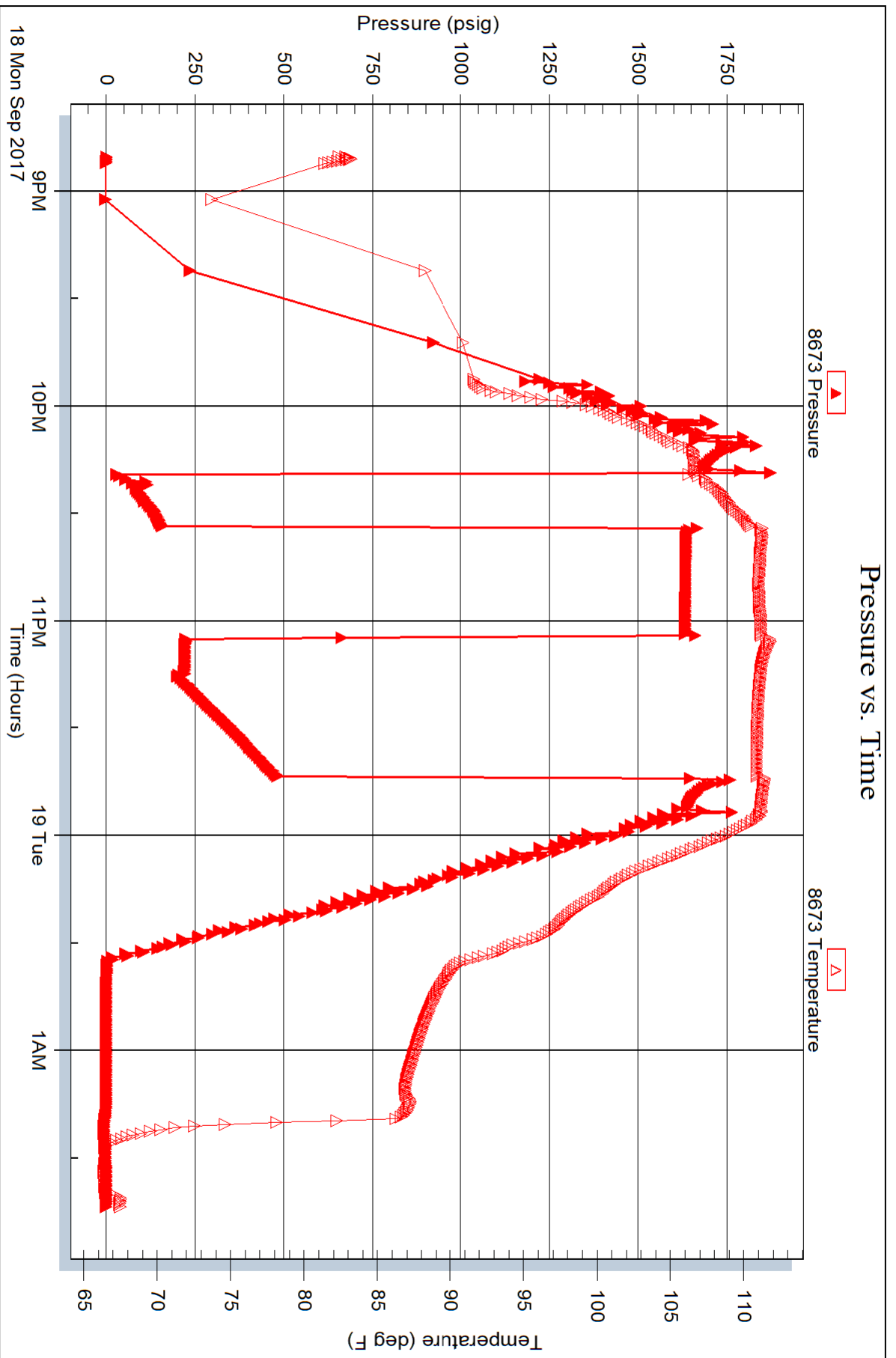
Pressure vs. Time

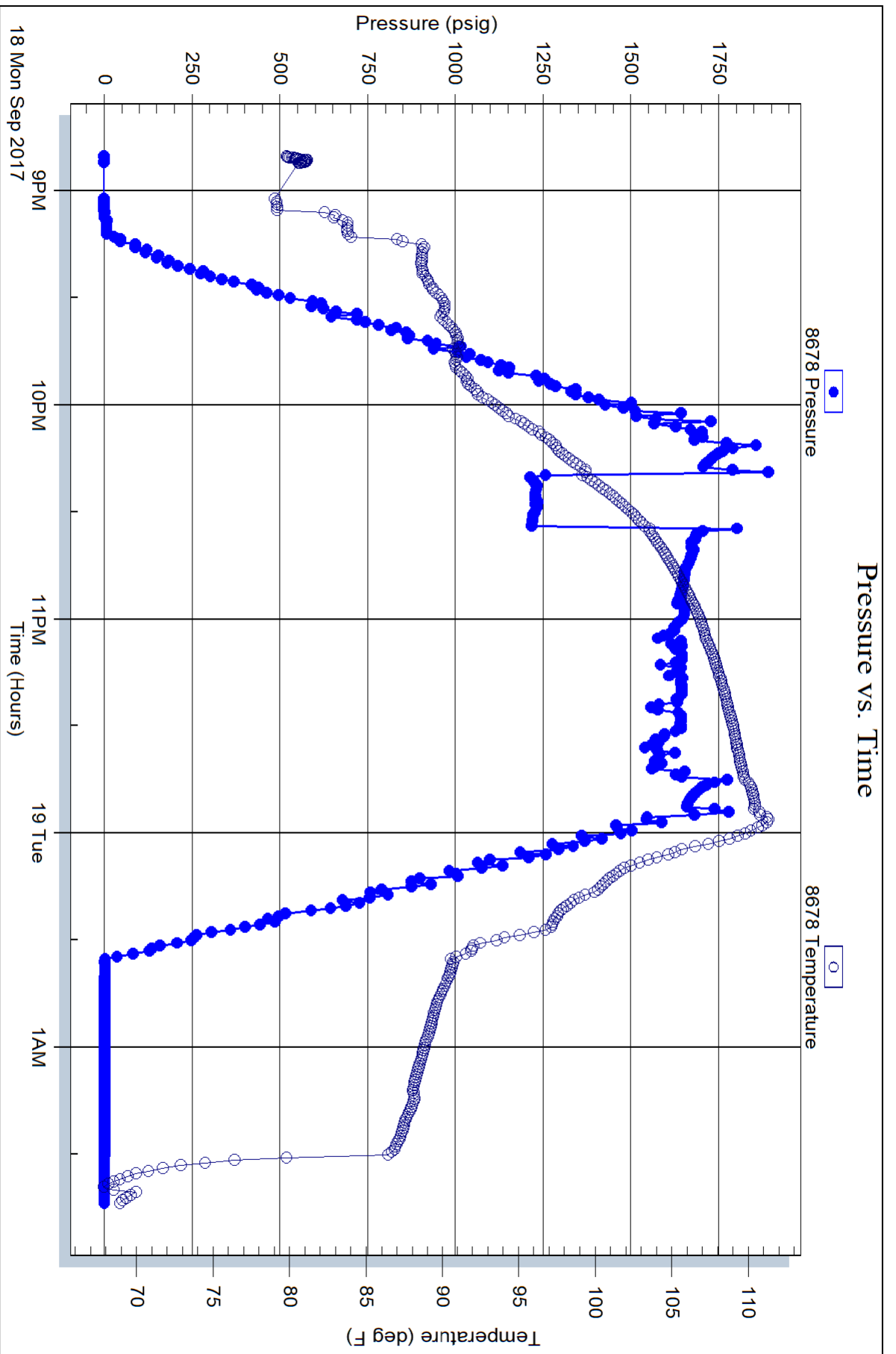


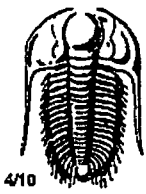
Triobite Testing, Inc

Ref. No: 63079

Printed: 2017.09.19 @ 16:12:13







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63076

Well Name & No. Frisbie B#1 Test No. 1 Date 9-16-17
 Company John O. Farmer Inc Elevation 1994 KB 1986 GL
 Address 370 W. Wichita Ave. PO Box 352 Russell, Ko 67665-2635
 Co. Rep / Geo. Austin Klaus Rig Discovery rig 2
 Location: Sec. 19 Twp. 11^s Rge. 18^w Co. ELLIS State Ko

Interval Tested 3234-3318 Zone Tested LKC A-0
 Anchor Length 84 Drill Pipe Run 2969 Mud Wt. 8.8
 Top Packer Depth 3229 Drill Collars Run - Vis 53
 Bottom Packer Depth 3234 Wt. Pipe Run 248 WL 8.8
 Total Depth 3318 Chlorides 5000 ppm System LCM 2 1/2 #

Blow Description IFP - WEAK TO BOB IN 25 MIN
ISIP - NO BLOW BACK
FFP - WEAK TO BOB IN 22 MIN
FSTP - 1/4" BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
330	GTP				
165	MGO	15	25		10
124	G+WCMO	10	40	10	40
62	O+GCMW	15	10	40	35

Rec Total 351 BHT 110 Gravity - API RW .1 @ 70 °F Chlorides 75000 ppm

(A) Initial Hydrostatic 1494
 (B) First Initial Flow 23
 (C) First Final Flow 131
 (D) Initial Shut-In 775
 (E) Second Initial Flow 133
 (F) Second Final Flow 200
 (G) Final Shut-In 759
 (H) Final Hydrostatic 1462

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 45 RT 33.75
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1083.75

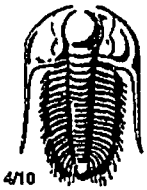
T-On Location 0230
 T-Started 0410
 T-Open 0605
 T-Pulled 0905
 T-Out 1112
 Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1083.75
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Approved By _____

Our Representative

RAY Schwager Thank you



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63077

Well Name & No. Frisbie B #1 Test No. 2 Date 9-16-17
 Company John O. Farmer Inc Elevation 1994 KB 1986 GL
 Address 370 W. WICHITA AVE PO Box 352 Russell, Ks 67665-2635
 Co. Rep / Geo. AUSTIN KLAUS Rig Discovery rig 2
 Location: Sec. 19 Twp. 11^s Rge. 18^w Co. ELLIS State Ks

Interval Tested 3314-3332 Zone Tested LKC E-F
 Anchor Length 18 Drill Pipe Run 3065 Mud Wt. 8.7
 Top Packer Depth 3309 Drill Collars Run — Vis 53
 Bottom Packer Depth 3314 Wt. Pipe Run 248 WL 8
 Total Depth 3332 Chlorides 6000 ppm System LCM 2#

Blow Description IFP - Very Weak Blow thru-out
TSIP - NO Blow Back
FFP - NO Blow
FSIP - NO Blow Back

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>OCM</u>	<u>10</u>		<u>90</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 10 BHT 106 Gravity — API RW — @ — °F Chlorides — ppm

- (A) Initial Hydrostatic 1551
- (B) First Initial Flow 17
- (C) First Final Flow 35
- (D) Initial Shut-In 679
- (E) Second Initial Flow 21
- (F) Second Final Flow 20
- (G) Final Shut-In 534
- (H) Final Hydrostatic 1514

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 45 RT 33.75
- Sampler
- Straddle
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1083.75

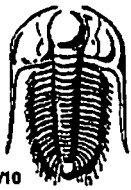
T-On Location 1730
 T-Started 1745
 T-Open 1915
 T-Pulled 2115
 T-Out 2244

Comments _____
 Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Sub Total 0
 Total 1083.75
 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 30
 Final Shut-In 30

Approved By _____

Our Representative RAY SCHWARTZ Thank you



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63078

Well Name & No. Trishie B #1 Test No. 3 Date 9-17-17
 Company John O. Farmer Inc Elevation 1994 KB 1986 GL
 Address 370 W. WICHITA Ave PO Box 352 Russell, Ko 67665-2635
 Co. Rep / Geo. Austin Klays Rig Discovery rig 2
 Location: Sec. 19 Twp. 11^s Rge. 18^w Co. Ellis State K

Interval Tested 3397-3465 Zone Tested LKC I-K
 Anchor Length 68 Drill Pipe Run 3156 Mud Wt. 8.9
 Top Packer Depth 3392 Drill Collars Run — Vis 47
 Bottom Packer Depth 3397 Wt. Pipe Run 248 WL 10
 Total Depth 3465 Chlorides 7500 ppm System LCM 1#

Blow Description IFP - WEAK TO A GOOD BLOW 1/2" TO 8" BLOW
ISIP - NO BLOWBACK
EFP - WEAK TO A FAIR BLOW SURFACE TO 6" BLOW
FSIP - NO BLOWBACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>MW w/show oil</u>				
<u>310</u>	<u>WATER</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

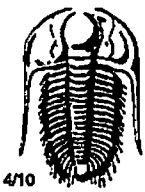
Rec Total 372 BHT 113 Gravity — API RW .1 @ 75 °F Chlorides 75000 ppm

(A) Initial Hydrostatic 1605 Test 1050 T-On Location 1150
 (B) First Initial Flow 26 Jars _____ T-Started 1225
 (C) First Final Flow 110 Safety Joint _____ T-Open 1420
 (D) Initial Shut-In 954 Circ Sub _____ T-Pulled 1720
 (E) Second Initial Flow 114 Hourly Standby _____ T-Out 1919
 (F) Second Final Flow 190 Mileage 4.5 RT 33.75 Comments _____
 (G) Final Shut-In 856 Sampler _____
 (H) Final Hydrostatic 1577 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 30
 Final Flow 60
 Final Shut-In 60

Sub Total 1083.75
 Total 1083.75
 MP/DST Disc't _____

Approved By _____ Our Representative RAY Schwager Thank you



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 63079

Well Name & No. Frisbie B #1 Test No. 4 Date 9-18-17
 Company John O. Farmer Inc Elevation 1994 KB 1986 GL
 Address 370 W. Wichita Ave PO Box 352 Russell Ks 67665-2635
 Co. Rep / Geo. Austin Klaus Rig Discovery rig 2
 Location: Sec. 19 Twp. 11^s Rge. 18^w Co. ELLIS State K

Interval Tested 3525-3568 Zone Tested AR buckle
 Anchor Length 43 Drill Pipe Run 3282 Mud Wt. 8.9
 Top Packer Depth 3525-3520 Drill Collars Run — Vis 50
 Bottom Packer Depth 3568 Wt. Pipe Run 248 WL 10
 Total Depth 3640 Chlorides 8000 ppm System LCM 5#

Blow Description IFP - BOB IN 6min
ISIP - NO BLOW BACK
FFP - BOB THRU-OUT
FSIP - NO BLOW BACK

Rec	Feet of	%gas	%oil	%water	%mud
<u>435</u>	<u>10 MW</u>			<u>60</u>	<u>40</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 435 BHT 113 Gravity — API RW .3 @ 65 °F Chlorides 24000 ppm

- (A) Initial Hydrostatic 1688
- (B) First Initial Flow 20
- (C) First Final Flow 154
- (D) Initial Shut-In —
- (E) Second Initial Flow 221
- (F) Second Final Flow 199
- (G) Final Shut-In 485
- (H) Final Hydrostatic 1641

- Test 1050
- Jars
- Safety Joint
- Circ Sub
- Hourly Standby
- Mileage 45RT 33.75
- Sampler
- Straddle 600
- Shale Packer
- Extra Packer
- Extra Recorder
- Day Standby
- Accessibility
- Sub Total 1683.75

- T-On Location 2000
- T-Started 2050
- T-Open 2220
- T-Pulled 2345
- T-Out 01
- Comments
- Ruined Shale Packer
- Ruined Packer
- Extra Copies
- Sub Total 0
- Total 1683.75
- MP/DST Disc't

Initial Open 15
 Initial Shut-In 30
 Final Flow 10
 Final Shut-In 30

Approved By _____

Our Representative RAUSCHWAGER *Thank you*