

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	HOFFMAN-DINKEL B 3
Doc ID	1785129

Tops

Name	Top	Datum
Anhydrite	1226'	(+802)
Topeka	3021'	(-993)
Heebner	3270'	(-1242)
Toronto	3289'	(-1261)
Lansing	3316'	(-1288)
Base/KC	3541'	(-1513)
Arbuckle	3555'	(-1527)
L.T.D.	3670'	(-1642)

Form	ACO1 - Well Completion
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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	221	80/20 Pozmix	150	3% C.C., 2% gel



**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 + 0352 Hays, KS 67601

Lease: Hoffman-Dinkel "B" # 3 Location: 2640 FSL - 1870 FEL
W/2/E/2/W/2/E/2
Section 5/ 14S/ 17W
Ellis County, KS

Loggers Total Depth: 3670' API#15- 051-27,108-00-00
 Rotary Total Depth: 3670' Elevation: 2020 GL - 2028 KB
 Commenced: 5/28/2024 Completed: 6/4/2024
 Casing: 8 5/8" @ 221.68'W/150sks Status: D & A
 KCC Contact: Case Moris
 Plugging Info: (1st Plug @ 3650'W/50sks)(2nd Plug @ 1250'W/50sks)
(3rd Plug @ 600'W/80sks)(4th Plug @ 275'W/50sks)
(5th Plug @ 40'W/10sks)(30sks In Rat Hole)(15sks In
Mouse Hole)(Total 285sks 60/40Poz 4%Gel-1/4#FS/sk-
By Quality Oilwell Cementing)(Completed @ 3:00AM
6/4/2024)

DEPTHS & FORMATIONS (All from KB)

Surface, Sand & Shales	<u>9'</u>	Shale	<u>1266'</u>
Dakota Sand	<u>500'</u>	Shale & Lime	<u>1602'</u>
Shale	<u>571'</u>	Shale	<u>2055'</u>
Cedar Hill Sand	<u>679'</u>	Shale & Lime	<u>2552'</u>
Red Bed Shale	<u>881'</u>	Lime & Shale	<u>3273'</u>
Anhydrite	<u>1224'</u>	RTD	<u>3670'</u>
Base Anhydrite	<u>1266'</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.

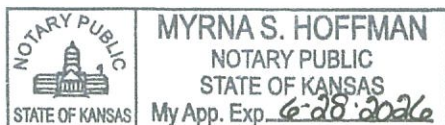
Thomas H. Alm

Subscribed and sworn to before me on 6-21-24

My Commission expires: 6-28-2026

(Place stamp or seal below)

Myrna S. Hoffman
 Notary Public



Federal Tax I.D.# 20-2886107

No. 22419

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5/28/24	5	14	17	Elliott	Kansas		1100 am
				Location I-70 & Towson 1/2 S 1 E 1/2 S W 1/4			
Lease Hoffmann-Dinkel		Well No. 3		Owner			
Contractor Discovery Drilling				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.			
Type Job			Charge To J.O. Farmer				
Hole Size 12 1/4	T.D. 221		Street				
Csg. 8 5/8	Depth 221'		City State				
Tbg. Size	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Tool	Depth		Cement Amount Ordered 150 lbs 3 + 2				
Cement Left in Csg.	Shoe Joint						
Meas Line	Displace 13						
EQUIPMENT				Common			
Pumptrk 5	No.	Cementer Tim	Poz. Mix				
Bulktrk 14	No.	Driver Joe	Gel.				
Bulktrk PM	No.	Driver David	Calcium				
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Run 8 5/8 and est. circulation				Handling			
Cemented with 150 sks				Mileage			
Cement Did Circulate				FLOAT EQUIPMENT			
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
X Signature [Signature]							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071

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

No. 4092

Cell 785-324-1041

Date	6-3-24	Sec.	S	Twp.	14	Range	17	County	Ellis	State	KS	On Location		Finish	3:00 pm
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Location 14 1/2 S 3 E 1 N

Lease	Hoffman-Dickie B	Well No.	3	Owner	To Quality Oilwell Cementing, Inc.
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Contractor	Discovery	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	P7A				

Hole Size	7 3/8	T.D.	3670	Charge To	John O. Farmer
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Csg.		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.		Shoe Joint		Cement Amount Ordered	305 #16/40-4
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Meas Line		Displace		4" FS	
-----------	--	----------	--	-------	--

EQUIPMENT

Pumptrk	10	No.	Cementer	Bill	Common	(used 285 sks.)
			Helper			
Bulktrk		No.	Driver	BP/our	Poz. Mix	
			Driver		Gel.	
Bulktrk	14	No.	Driver		Calcium	
			Driver	508		

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
3650 - 50 #	Sand
1250 - 50 #	Handling
600 - 50 #	Mileage

FLOAT EQUIPMENT

275 - 50 #	Guide Shoe
40 - 10 #	Centralizer
30 # RH	Baskets
15 # MH	AFU Inserts
	Float Shoe
	Latch Down
	Wood plug - P-5
	Pumptrk Charge
	Mileage

X Signature

Tax

Discount

Total Charge



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:	Hoffman-Dinkel B #3		
API:	15-051-27,108-0000		
Location:	Ellis County		
License Number:		Region:	Kansas
Spud Date:	5/28/2024	Drilling Completed:	6/3/2024
Surface Coordinates:	Section 5 - Township 14 South - Range 17 West 2640' FSL & 1870' FEL		
Bottom Hole Coordinates:	Vertical well w/ minimal deviation, same as above		
Ground Elevation (ft):	2,020	K.B. Elevation (ft):	2,028
Logged Interval (ft):	3,000	To:	3,648
		Total Depth (ft):	3,670
Formation:	TOPEKA - ARBUCKLE		
Type of Drilling Fluid:	Chemical (Andy's Mud & Chemical Co.)		

Printed by StripLog 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 Hoffman-Dinkel B #3 well was drilled by Discovery Drilling Rig #2 (Tool Pusher: Travis Schmidt).

The location for the Hoffman-Dinkel B #3 was discovered via 3D seismic survey. Drill time was recorded, and rock samples were gathered and evaluated from 3,000' - 3,670'. Oil shows were encountered in several Lansing zones (see below) and Arbuckle. Structurally, the Lansing top was picked one foot low to the comparison well, Hoffman-Dinkel B #1 (Dreiling Oil, 2005). Two bottom-hole drill stem tests were conducted to evaluate these Lansing zones (see results below). The Arbuckle top was picked 1' low as well.

Upon completion of electric logs, the decision was made to run a straddle test to confirm the Arbuckle was non-commercial. The straddle test yielded 60' mud.

After comprehensive evaluation of oil shows, structural position, electric logs, and drill stem test results, the decision was made to plug & abandon the Hoffman-Dinkel B #3 on June 3, 2024.

ROCK TYPES

Anhy
Bent
Brec
Cht

Clyst
Coal
Congl
Dol

Gyp
Igne
Lmst
Meta

Mrlst
Salt
Shale
Shcol

Shgy
Slstst
Ss
Till

OTHER SYMBOLS

POROSITY
E Earthy
F Fenest
F Fracture
X Inter
M Moldic
O Organic
P Pinpoint

☒ Vuggy
SORTING
W Well
M Moderate
P Poor

ROUNDING
R Rounded
r Subrnd
a Subang
A Angular

☒ Spotted
☒ Ques
☒ Dead

EVENT
☒ Rft
☒ Sidewall

INTERVAL
☒ Core
☒ Dst

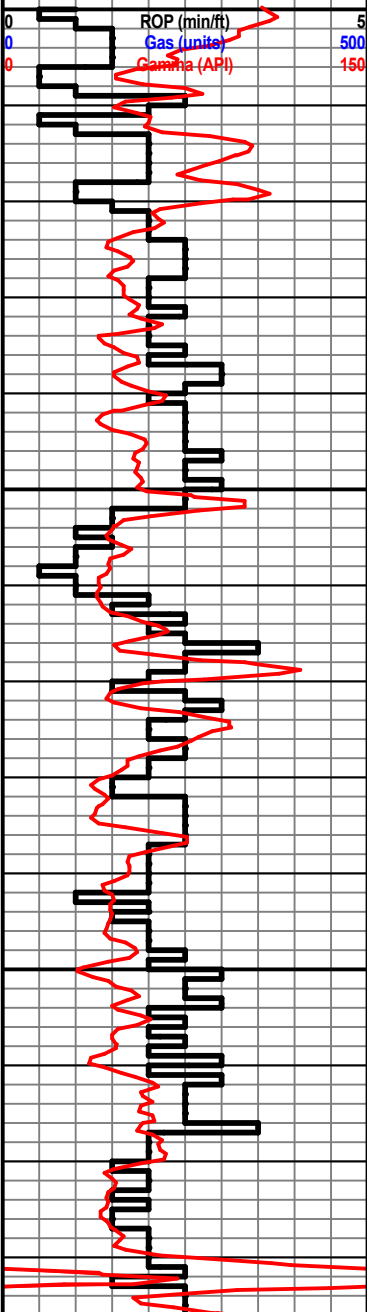
OIL SHOW
☒ Even

Curve Track 1				MD	Lithology	Oil Shows	Geological Descriptions	DST/Mud/Survey									
ROP (min/ft) ————— Gas (units) - - - - - Gamma (API) —————																	
0	ROP (min/ft)	5	28	2900			<i>The open-hole logging was performed by Mr. Colby Dreiling with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density Neutron, Dual Induction, and Microresistivity.</i> <i>Formation tops and datums from the open-hole logs include the following:</i> <table><tr><th>Formation</th><th>E-Log</th><th>Datum</th></tr><tr><td>Anhydrite</td><td>1226</td><td>802</td></tr><tr><td>Toneka</td><td>3021</td><td>-993</td></tr></table>	Formation	E-Log	Datum	Anhydrite	1226	802	Toneka	3021	-993	Mud Engineer: Kirk Werth Tester: Paul Simpson
Formation	E-Log	Datum															
Anhydrite	1226	802															
Toneka	3021	-993															
0	Gas (units)	500															
0	Gamma (API)	150															
DAILY ACTIVITY:																	
5/28/24																	
Spud 12-1/4" @ 7:15AM																	
5/29/24																	
1,172', Drilling																	
5/30/24																	
2,230', Drilling																	
5/31/24																	
2,890', Drilling																	
6/1/24																	
3,352', Circ to clean hole																	
6/2/24																	
3,410' DST #3																	

6/16/24, 3,670'

6/3/24
3,670', Drilling

6/4/24
3,670', Completed



2950

3000 MD

3050

3100

Topeka	3270	-1242
Toronto	3289	-1261
Lansing	3316	-1288
B/KC	3541	-1513
Arbuckle	3555	-1527
LTD	3670	-1642

Sh: tan-lt gry

Topeka 3024' (-996)

Ls: off wh-buff, fn xln, fair-good int xln porosity, & scat
pp vuggy porosity, barren, no odor

Sh: lt-drk gry

Ls: tan-lt gry, fn xln, good int xln & vuggy porosity, chert,
barren, scat chert: off wh

Ls: ala

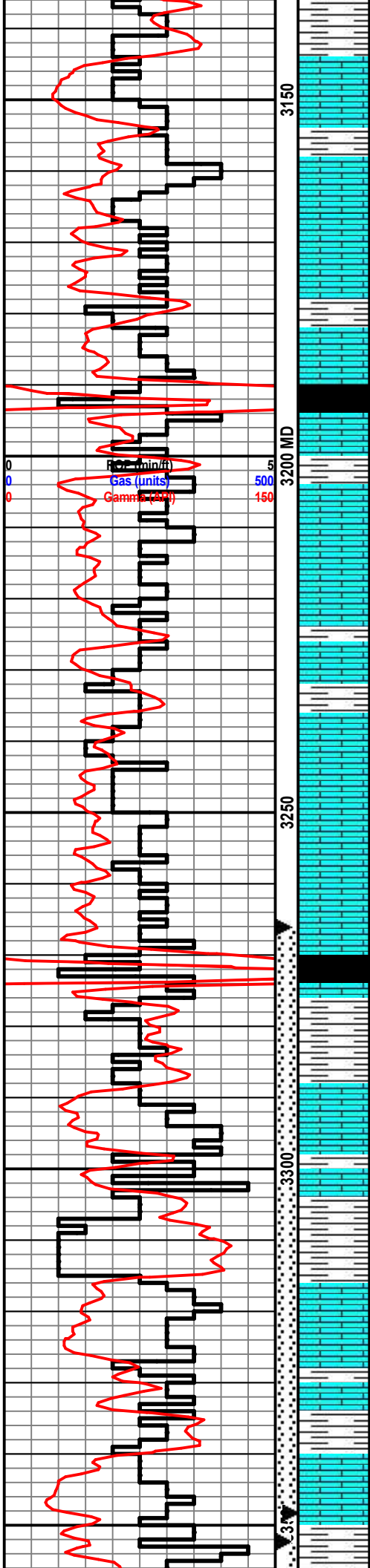
Sh: lt-drk gry-bm

Ls: tan-lt gry, fn xln, poor int xln & pp vuggy porosity,
NSFO, scat chert: off wh

Sh: drk gry-blk

Ls: off wh-tan, fn xln, poor-fair int part porosity, NSFO

Sh: drk gry-blk



Sh: lt-drk gry-bm

Ls: off wh-tan, fn xln, scat fair int xln porosity, NSFO

Ls: tan-lt gry-bm, fn xln, fair int part porosity, scat chert, barren

Ls: off wh-lt bm, fn xln, DNS, scat chert: off wh-lt gry

Sh: lt-drk gry

Ls: off wh-lt bm, fn xln, scat pp vuggy & scat int xln porosity, barren, scat foss

Ls: ala

Ls: lt gry-tan, fn xln, poor int xln porosity

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

Heebner 3270' (-1242)

Sh: blk, carb, fissile

Sh: lt-drk gry

Toronto 3289' (-1261)

Ls: tan-lt bm, fn xln, poor int xln & scat vuggy porosity, lt oil stn in porosity, NSFO, no odor

Sh: lt gry-bm, scat soft

Lansing 3315' (-1287)

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

Ls: off wh-tan, fn xln, poor int xln porosity, scat lt oil stn, NSFO

Sh: lt gry-bm

Ls: off wh-tan, fn xln, foss, scat int foss & fair int xln porosity, fair oil stn in porosity, SSFO, lt-fair odor

Sh: drk gry-blk

DST #1 3,266- 3,352' TRNT - LKC C

*Test failed due to rig crew/tester error

DST #2 3,266 - 3,352' (Tmt - LKC C)

30"-30"-10"-0"

IF: weak blow died in 5 min.

FF: no blow, pull tool

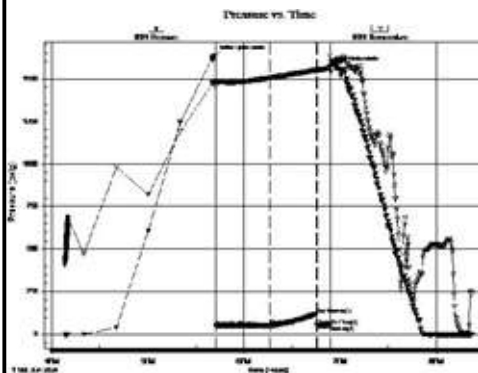
Rec: 5' Mud

FP: 49-50, 51-52#

SIP: 122-52#

HP: 1,635-1,571#

BHT: 97



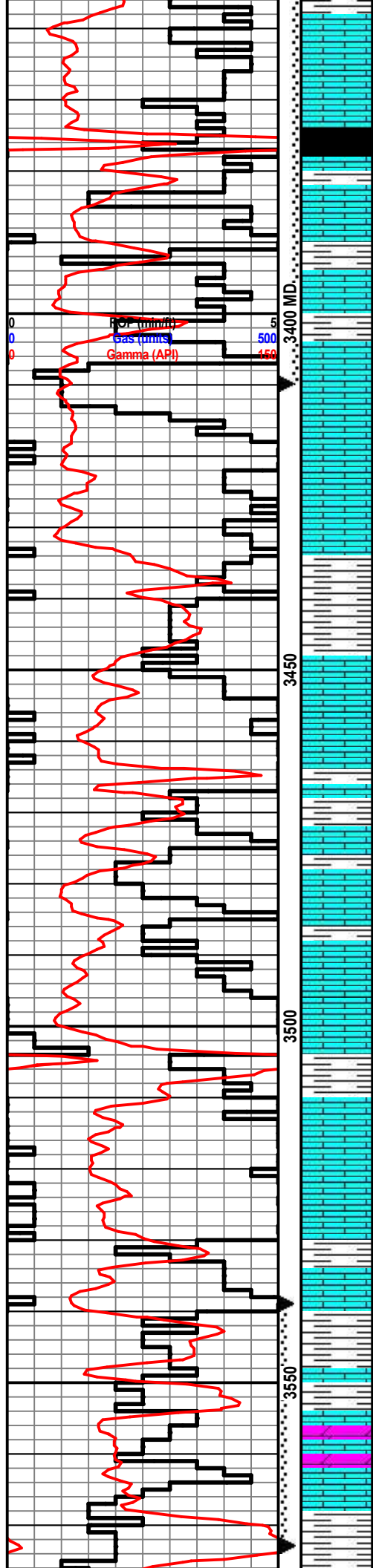
DST #3 3,348-3,410' (LKC D-G)

30"-30"-10"-0"

IF: weak blow, died in 8 min.

FF: weak blow, died in 1 min.

Rec: 40' slight oil cut mud (2%O, 98%M)



Ls: off wh-tan, fn xln, poor int xln porosity, NSFO

Ls: off wh-tan, fn xln, fair int xln & vuggy porosity, sl-fair oil stn, fair odor, SSFO

Sh: drk gry-blk

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

Ls: off wh-tan, fn xln, foss, fair-good int xln porosity, scat oil stn, S-FSFO, fair odor

Ls: off wh-tan, fn xln, ool, fair oom porosity, scat oil stn, SSFO, fair odor

Ls: off wh-tan-lt gry, ool, fair oom porosity, barren

Ls: ala

Sh: drk gry-bm

Ls: tan-lt gry, fn xln, mostly DNS, scat chalk

Sh: lt-drk gry-bm

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

Ls: off wh-tan, fn xln, foss, scat int xln & pp vuggy porosity, scat oil stn, NSFO

Sh: lt-drk gry

Ls: off wh-tan, fn xln, poor int xln porosity, NSFO

Ls: off wh-tan-lt gry, fn-sub xln, mostly DNS

Ls: ala

B/KC 3540' (-1512)

Sh: lt-drk gry

Ls: tan-gry, fn xln, poor int xln porosity, mostly DNS, barren, hvv sh: drk bm/rd, soft, cong: tan-bm, DNS

Sh: drk gry

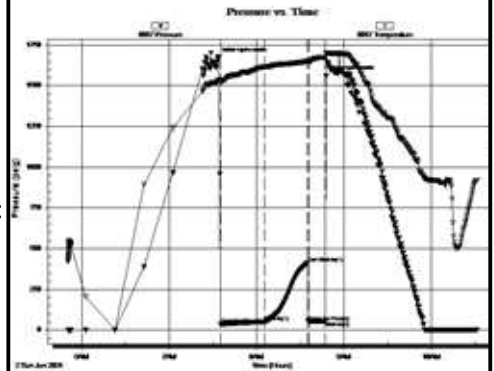
Ls: tan, gry, foss, fair int xln porosity, mostly DNS

FP: 36-51, 52-55#

SIP: 411-55#

HP: 1,670-1,561#

BHT: 100



DST #4 3,539-3,573' Arbuckle

30"-30"-10"-0"

IF: weak blow died in 15 min.

FF: weak blow died in 1 min.

Rec: 60' Mud

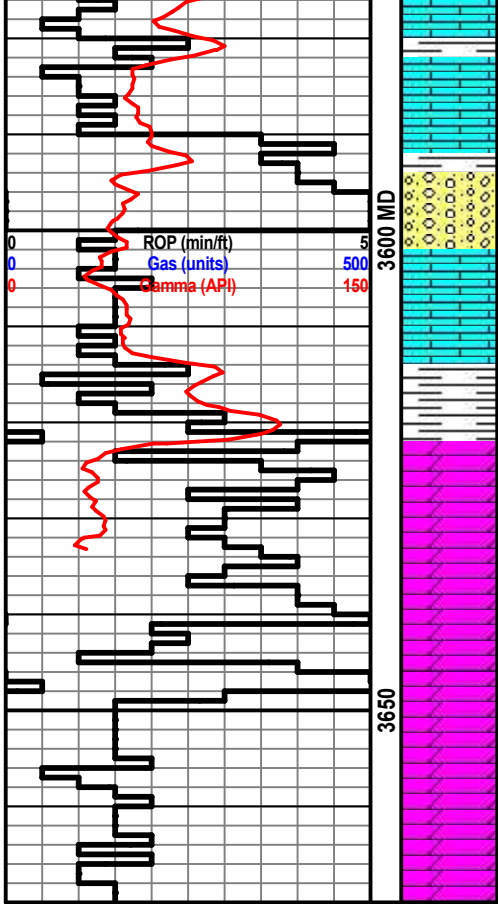
FP: 34-43, 44-45#

SIP: 510-45#

HP: 1,778-1,681#

BHT: 102





Ls: tan-gry, fn xln, poor int xln porosity, mostly DNS, barren, hvy chert: off wh-lt gry

Ls: tan-gry, fn xln, scat ool, poor ool porosity, barren hvy chert: off wh, scat sh: lt-drk gry

Ls: tan-gry, fn xln, poor int xln porosity, scat congl & sh: drk gry

Sh: drk gry-gm

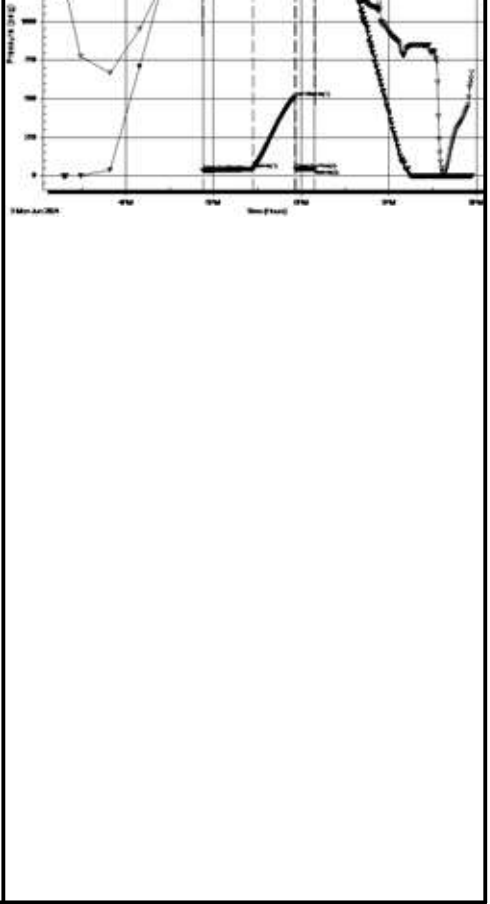
Arbuckle 3574' (~1546)

Dolo: off wh-tan-lt gry, fn-md xln, fair-good int xln porosity, barren

Dolo: off wh-tan-lt gry, fn-md xln, fair int xln & few rxns w/ good int xln porosity, barren

Dolo: wh, fair int xln porosity, barren, scat chert: off wh

Dolo: ala





DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hoffman Dinkel B #3

5-14s-17w Ellis, KS

Start Date: 2024.06.01 @ 08:45:41

End Date: 2024.06.01 @ 12:15:10

Job Ticket #: 69080 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.04 @ 16:49:17



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69080

DST#: 1

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 08:45:41

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 12:15:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: **3266.00 ft (KB) To 3352.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3352.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: **8651** Inside

Press@RunDepth: psig @ 3270.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.01

End Date:

2024.06.01

Last Calib.:

1899.12.30

Start Time: 08:45:41

End Time:

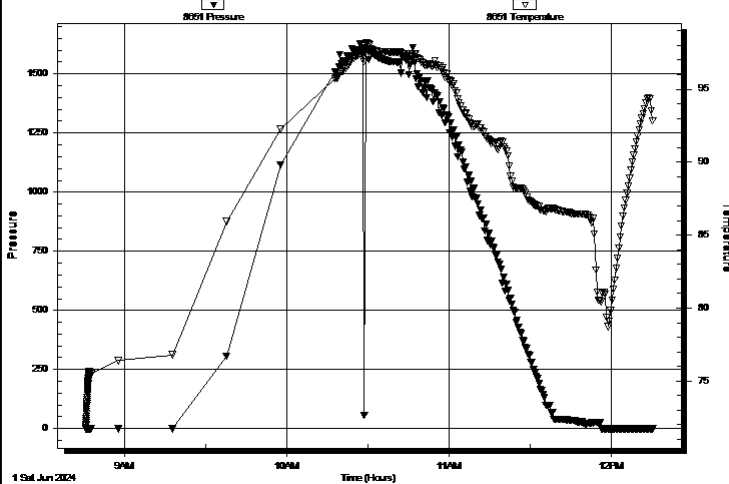
12:15:10

Time On Btm:

Time Off Btm:

TEST COMMENT: stacked out 55' from bottom- opened tool and slid 2 more feet misrun

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69080

DST#: 1

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 08:45:41

GENERAL INFORMATION:

Formation: **Lansing**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 12:15:10

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: **3266.00 ft (KB) To 3352.00 ft (KB) (TVD)**

Total Depth: 3352.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2028.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8017** Inside

Press@RunDepth: psig @ 3270.00 ft (KB)

Start Date: 2024.06.01

End Date:

2024.06.01

Start Time: 08:45:42

End Time:

12:20:11

Capacity: 8000.00 psig

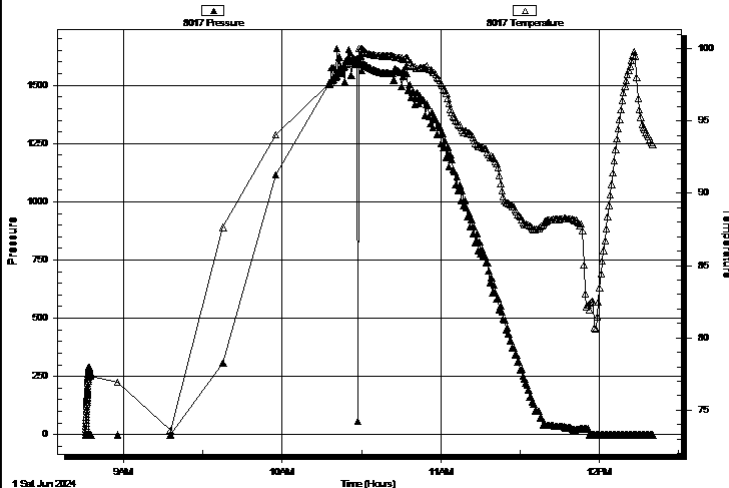
Last Calib.: 1899.12.30

Time On Btm:

Time Off Btm:

TEST COMMENT: stacked out 55' from bottom- opened tool and slid 2 more feet misrun

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud	0.02

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69080

DST#: 1

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 08:45:41

Tool Information

Drill Pipe:	Length:	3223.00 ft	Diameter:	3.80 inches	Volume:	45.21 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	daN
Drill Collar:	Length:	29.00 ft	Diameter:	2.25 inches	Volume:	0.14 bbl	Weight to Pull Loose:	daN
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		13.00 ft					String Weight: Initial	daN
Depth to Top Packer:		3266.00 ft					Final	daN
Depth to Bottom Packer:		ft						
Interval between Packers:		86.00 ft						
Tool Length:		113.00 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		3240.00	
Shut In Tool	5.00		3245.00	
Hydraulic tool	5.00		3250.00	
gap sub	4.00		3254.00	
Safety Joint	3.00		3257.00	
Packer	5.00		3262.00	27.00 Bottom Of Top Packer
Packer	4.00		3266.00	
Stubb	1.00		3267.00	
Perforations	2.00		3269.00	
Change Over Sub	1.00		3270.00	
Recorder	0.00	8651 Inside	3270.00	
Recorder	0.00	8017 Inside	3270.00	
Drill Pipe	63.00		3333.00	
Change Over Sub	1.00		3334.00	
Perforations	15.00		3349.00	
Bullnose	3.00		3352.00	86.00 Bottom Packers & Anchor
Total Tool Length:	113.00			



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69080

DST#: 1

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 08:45:41

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.78 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

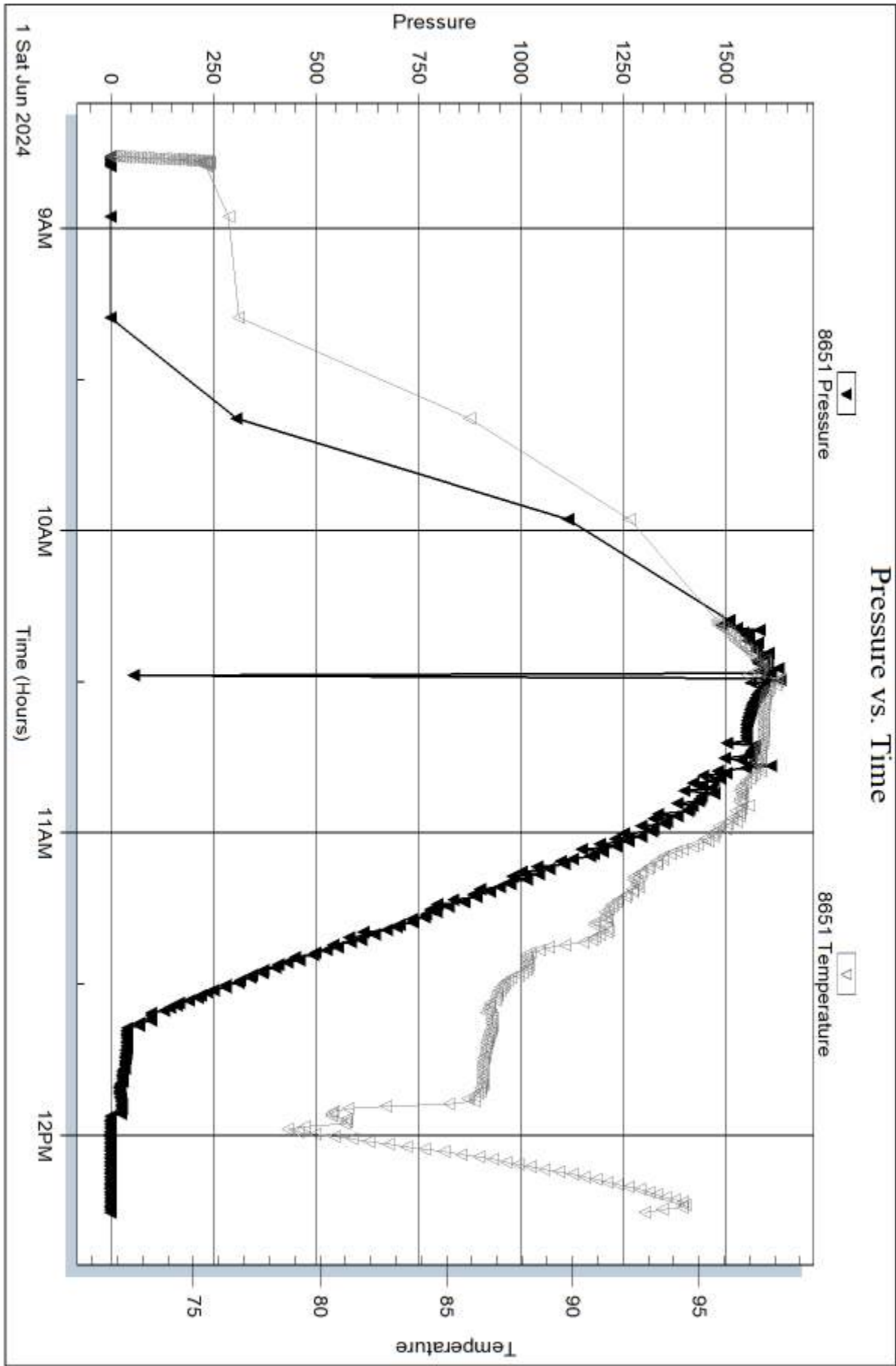
Serial #: 8651

Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 1



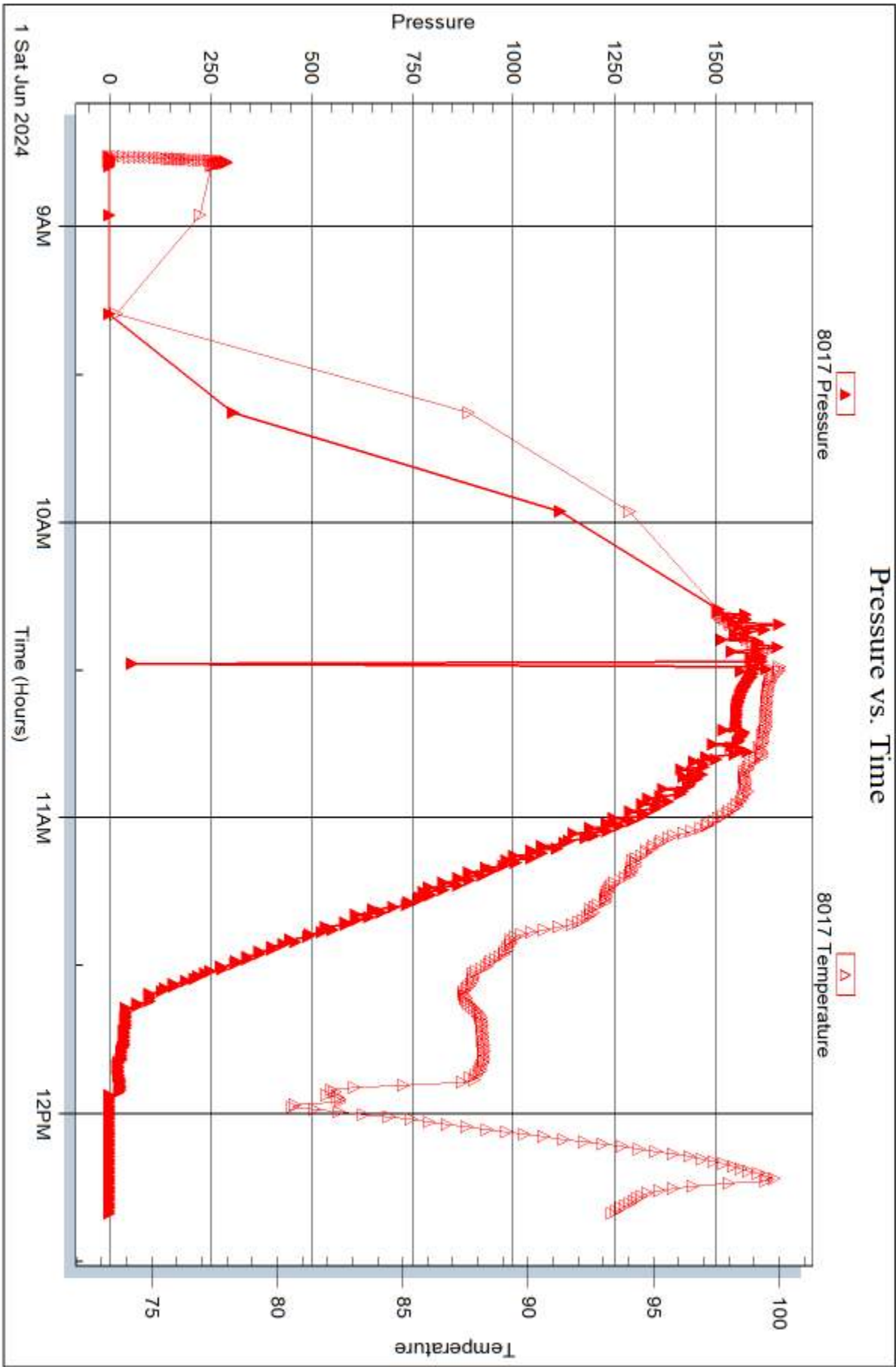
Serial #: 8017

Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hoffman Dinkel B #3

5-14s-17w Ellis, KS

Start Date: 2024.06.01 @ 16:08:05

End Date: 2024.06.01 @ 20:22:19

Job Ticket #: 69081 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.04 @ 16:48:51



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69081

DST#: 2

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 16:08:05

GENERAL INFORMATION:

Formation: **Toronto LKC C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:42:19

Time Test Ended: 20:22:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 76

Interval: **3266.00 ft (KB) To 3352.00 ft (KB) (TVD)**

Total Depth: 3352.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition:

Reference Elevations: 2028.00 ft (KB)

2020.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: **8651** Inside

Press@RunDepth: 50.39 psig @ 3270.00 ft (KB)

Start Date: 2024.06.01

End Date:

2024.06.01

Start Time: 16:08:05

End Time:

20:22:19

Capacity: 8000.00 psig

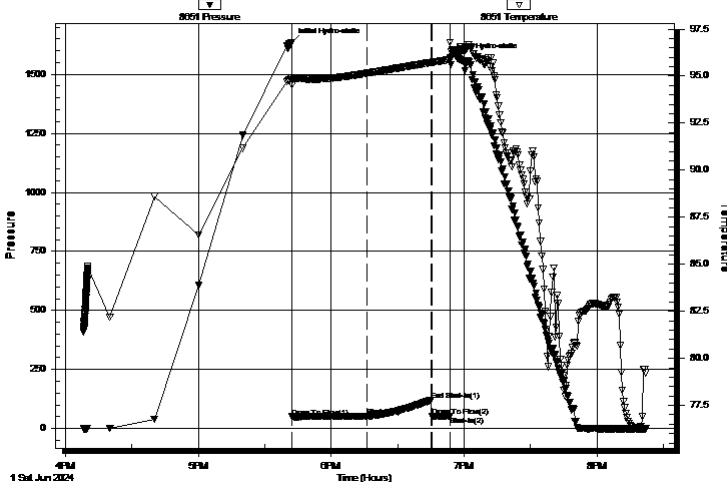
Last Calib.: 1899.12.30

Time On Btm: 2024.06.01 @ 17:42:04

Time Off Btm: 2024.06.01 @ 18:53:49

TEST COMMENT: IF- weak blow died in 5 minutes
FF- no blow pulled tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1635.16	94.93	Initial Hydro-static
1	48.61	94.53	Open To Flow (1)
35	50.39	95.15	Shut-In(1)
64	121.62	95.73	End Shut-In(1)
64	51.30	95.70	Open To Flow (2)
72	52.21	95.88	Shut-In(2)
72	1571.21	96.79	Final Hydro-static

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69081

DST#: 2

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 16:08:05

GENERAL INFORMATION:

Formation: **Toronto LKC C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:42:19

Time Test Ended: 20:22:19

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 76

Interval: **3266.00 ft (KB) To 3352.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3352.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: **8017** Inside

Press@RunDepth: psig @ 3270.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.01

End Date:

2024.06.01

Last Calib.:

1899.12.30

Start Time: 16:08:59

End Time:

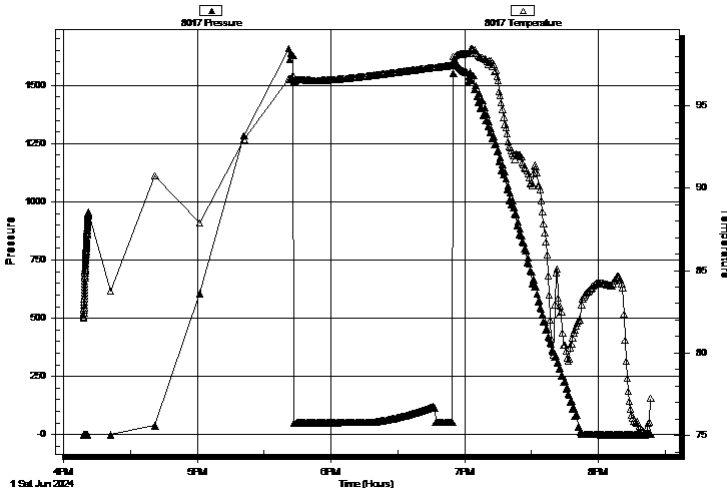
20:23:28

Time On Btm:

Time Off Btm:

TEST COMMENT: IF- weak blow died in 5 minutes
FF- no blow pulled tool

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

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

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69081

DST#: 2

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 16:08:05

Tool Information

Drill Pipe:	Length:	3223.00 ft	Diameter:	3.80 inches	Volume:	45.21 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 daN
Drill Collar:	Length:	29.00 ft	Diameter:	2.25 inches	Volume:	0.14 bbl	Weight to Pull Loose:	65000.00 daN
					<u>Total Volume:</u>	<u>45.35 bbl</u>	Tool Chased	ft
Drill Pipe Above KB:		13.00 ft					String Weight: Initial	57000.00 daN
Depth to Top Packer:		3266.00 ft					Final	57000.00 daN
Depth to Bottom Packer:		ft						
Interval between Packers:		86.00 ft						
Tool Length:		113.00 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			3240.00	
Shut In Tool	5.00			3245.00	
Hydraulic tool	5.00			3250.00	
gap sub	4.00			3254.00	
Safety Joint	3.00			3257.00	
Packer	5.00			3262.00	27.00 Bottom Of Top Packer
Packer	4.00			3266.00	
Stubb	1.00			3267.00	
Perforations	2.00			3269.00	
Change Over Sub	1.00			3270.00	
Recorder	0.00	8651	Inside	3270.00	
Recorder	0.00	8017	Inside	3270.00	
Drill Pipe	63.00			3333.00	
Change Over Sub	1.00			3334.00	
Perforations	15.00			3349.00	
Bullnose	3.00			3352.00	86.00 Bottom Packers & Anchor
Total Tool Length:	113.00				



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69081

DST#: 2

ATTN: Austin Klaus

Test Start: 2024.06.01 @ 16:08:05

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: 8.76 in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud	0.025

Total Length: 5.00 ft

Total Volume: 0.025 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8651

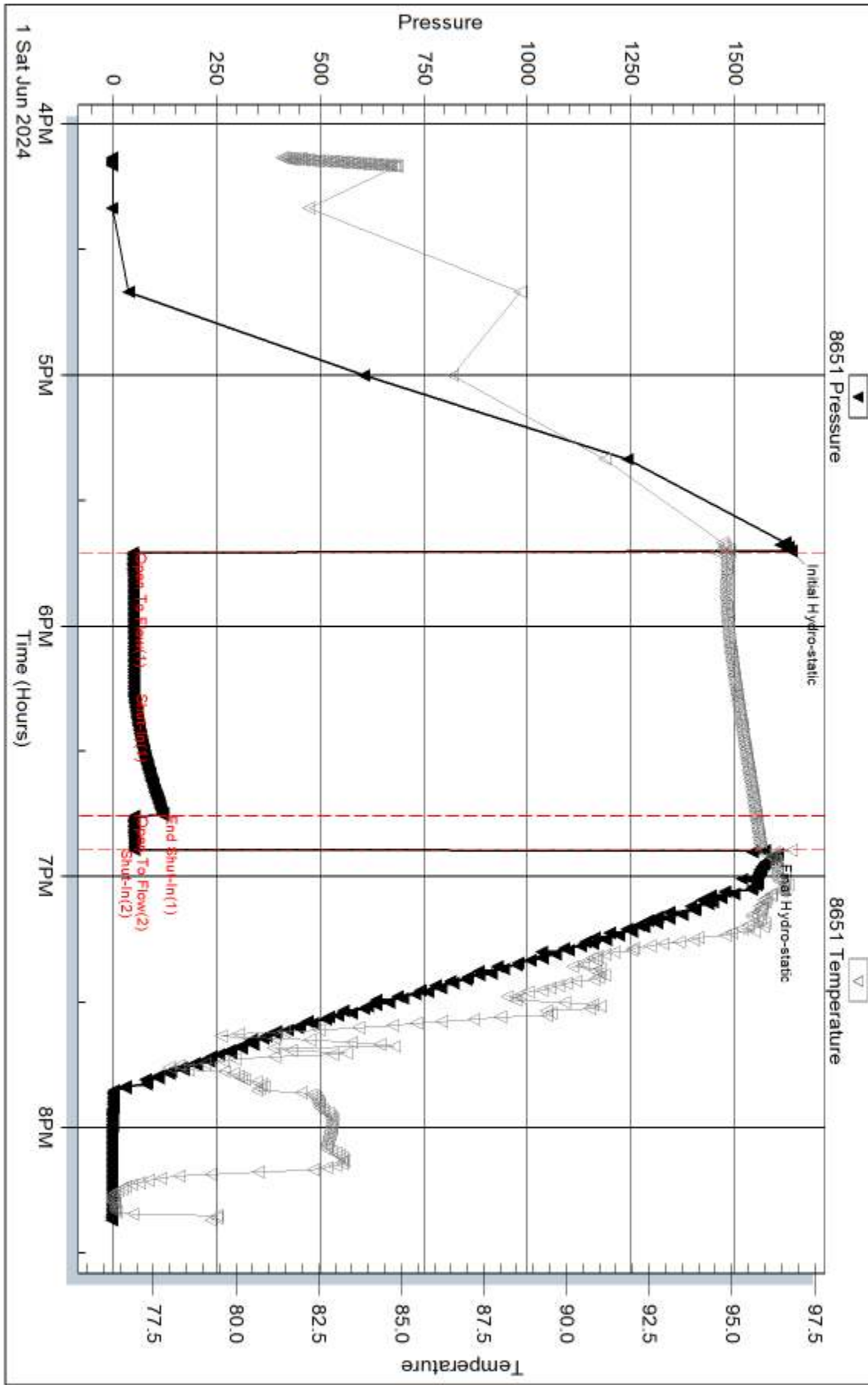
Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 2

Pressure vs. Time



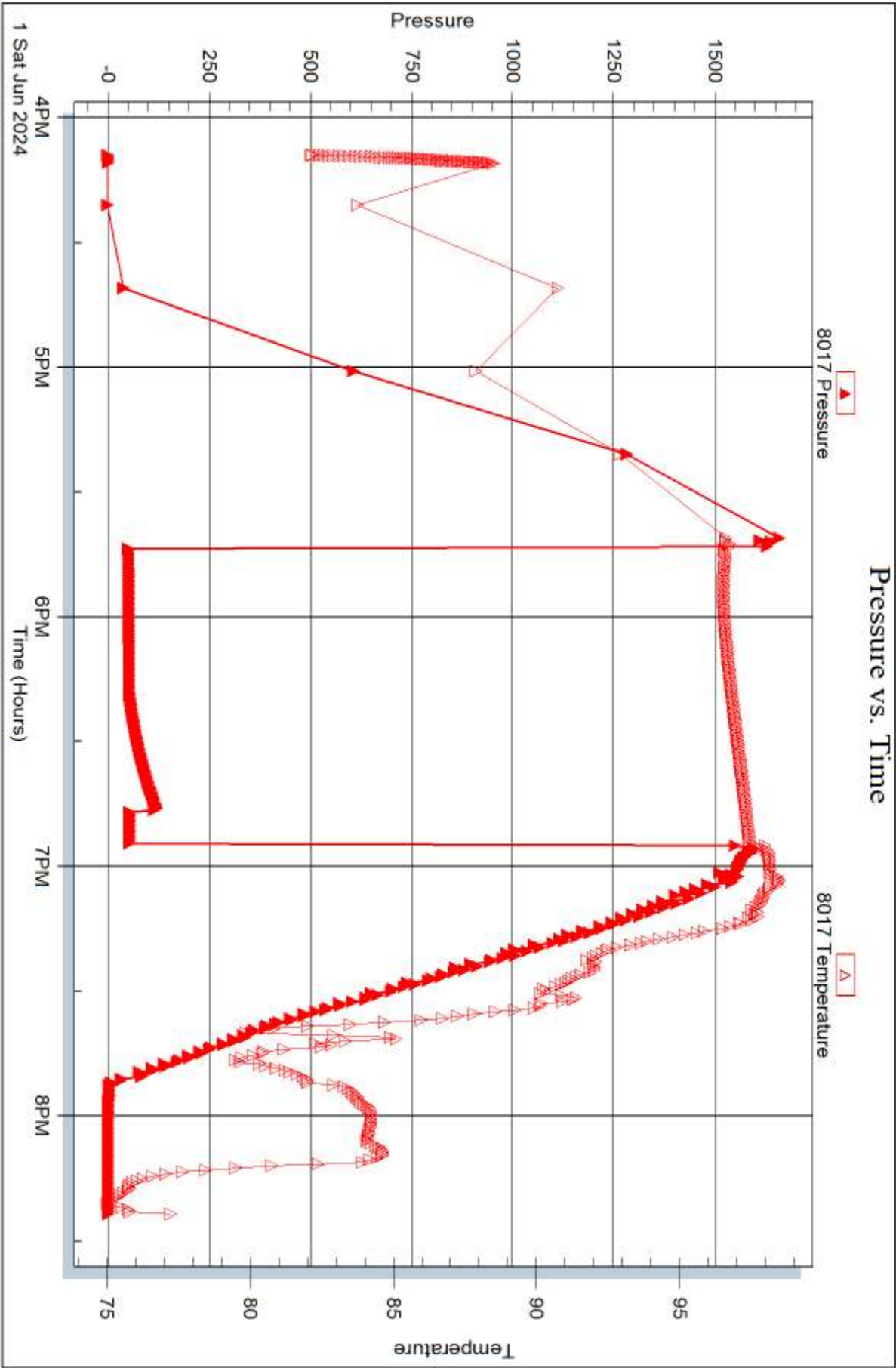
Serial #: 8017

Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hoffman Dinkel B #3

5-14s-17w Ellis, KS

Start Date: 2024.06.02 @ 05:50:43

End Date: 2024.06.02 @ 10:31:13

Job Ticket #: 69082 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.04 @ 16:48:30

John O Farmer

5-14s-17w Ellis, KS

Hoffman Dinkel B #3

DST # 3

Lansing D-G

2024.06.02



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69082

DST#: 3

ATTN: Austin Klaus

Test Start: 2024.06.02 @ 05:50:43

GENERAL INFORMATION:

Formation: **Lansing D-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:35:13

Time Test Ended: 10:31:13

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: **3348.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3410.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: **8017** Inside

Press@RunDepth: 51.29 psig @ 3352.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.02

End Date:

2024.06.02

Last Calib.: 1899.12.30

Start Time: 05:50:44

End Time:

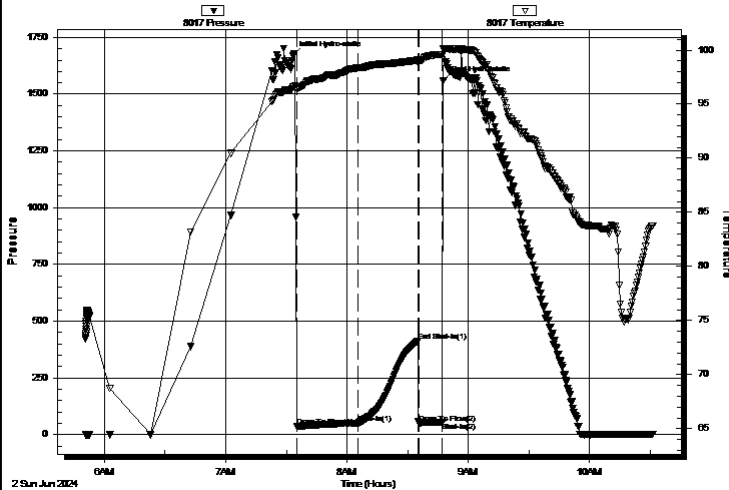
10:31:13

Time On Btm: 2024.06.02 @ 07:33:13

Time Off Btm: 2024.06.02 @ 08:47:43

TEST COMMENT: weak blow died in 8 minutes
FF blow died in 1 minute

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1669.75	96.58	Initial Hydro-static
2	35.62	96.39	Open To Flow (1)
32	51.29	98.41	Shut-In(1)
62	411.23	99.07	End Shut-In(1)
63	51.97	98.97	Open To Flow (2)
74	55.21	99.59	Shut-In(2)
75	1560.85	100.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SL OSM 2%O 98%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

ATTN: Austin Klaus

Job Ticket: 69082

DST#: 3

Test Start: 2024.06.02 @ 05:50:43

GENERAL INFORMATION:

Formation: **Lansing D-G**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:35:13

Time Test Ended: 10:31:13

Test Type: Conventional Bottom Hole (Initial)

Tester: Paul Simpson

Unit No: 76

Interval: **3348.00 ft (KB) To 3410.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3410.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 8.00 ft

Serial #: **8651** Inside

Press@RunDepth: psig @ 3352.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.02

End Date:

2024.06.02

Last Calib.:

1899.12.30

Start Time: 05:50:47

End Time:

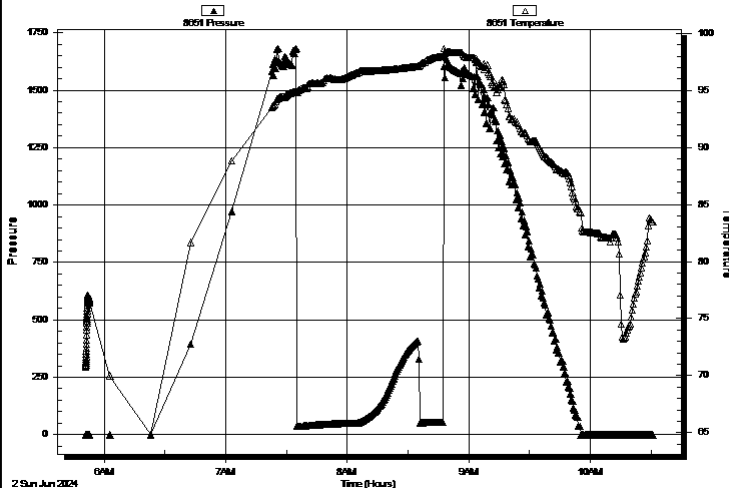
10:31:01

Time On Btm:

Time Off Btm:

TEST COMMENT: weak blow died in 8 minutes
FF blow died in 1 minute

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
40.00	SL OSM 2%O 98%M	0.30

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69082

DST#: 3

ATTN: Austin Klaus

Test Start: 2024.06.02 @ 05:50:43

Tool Information

Drill Pipe:	Length:	3316.00 ft	Diameter:	3.80 inches	Volume:	46.51 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 daN
Drill Collar:	Length:	29.00 ft	Diameter:	2.25 inches	Volume:	0.14 bbl	Weight to Pull Loose:	65000.00 daN
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		24.00 ft					String Weight: Initial	57000.00 daN
Depth to Top Packer:		3348.00 ft					Final	57000.00 daN
Depth to Bottom Packer:		ft						
Interval between Packers:		99.00 ft						
Tool Length:		126.00 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			3322.00		
Shut In Tool	5.00			3327.00		
Hydraulic tool	5.00			3332.00		
gap sub	4.00			3336.00		
Safety Joint	3.00			3339.00		
Packer	5.00			3344.00	27.00	Bottom Of Top Packer
Packer	4.00			3348.00		
Stubb	1.00			3349.00		
Perforations	2.00			3351.00		
Change Over Sub	1.00			3352.00		
Recorder	0.00	8651	Inside	3352.00		
Recorder	0.00	8017	Inside	3352.00		
Drill Pipe	63.00			3415.00		
Change Over Sub	1.00			3416.00		
Perforations	28.00			3444.00		
Bullnose	3.00			3447.00	99.00	Bottom Packers & Anchor
Total Tool Length:	126.00					



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69082

DST#: 3

ATTN: Austin Klaus

Test Start: 2024.06.02 @ 05:50:43

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 52.00 sec/qt

Water Loss: in³

Resistivity: ohm.m

Salinity: ppm

Filter Cake: inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	SL OSM 2%O 98%M	0.297

Total Length: 40.00 ft

Total Volume: 0.297 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8017

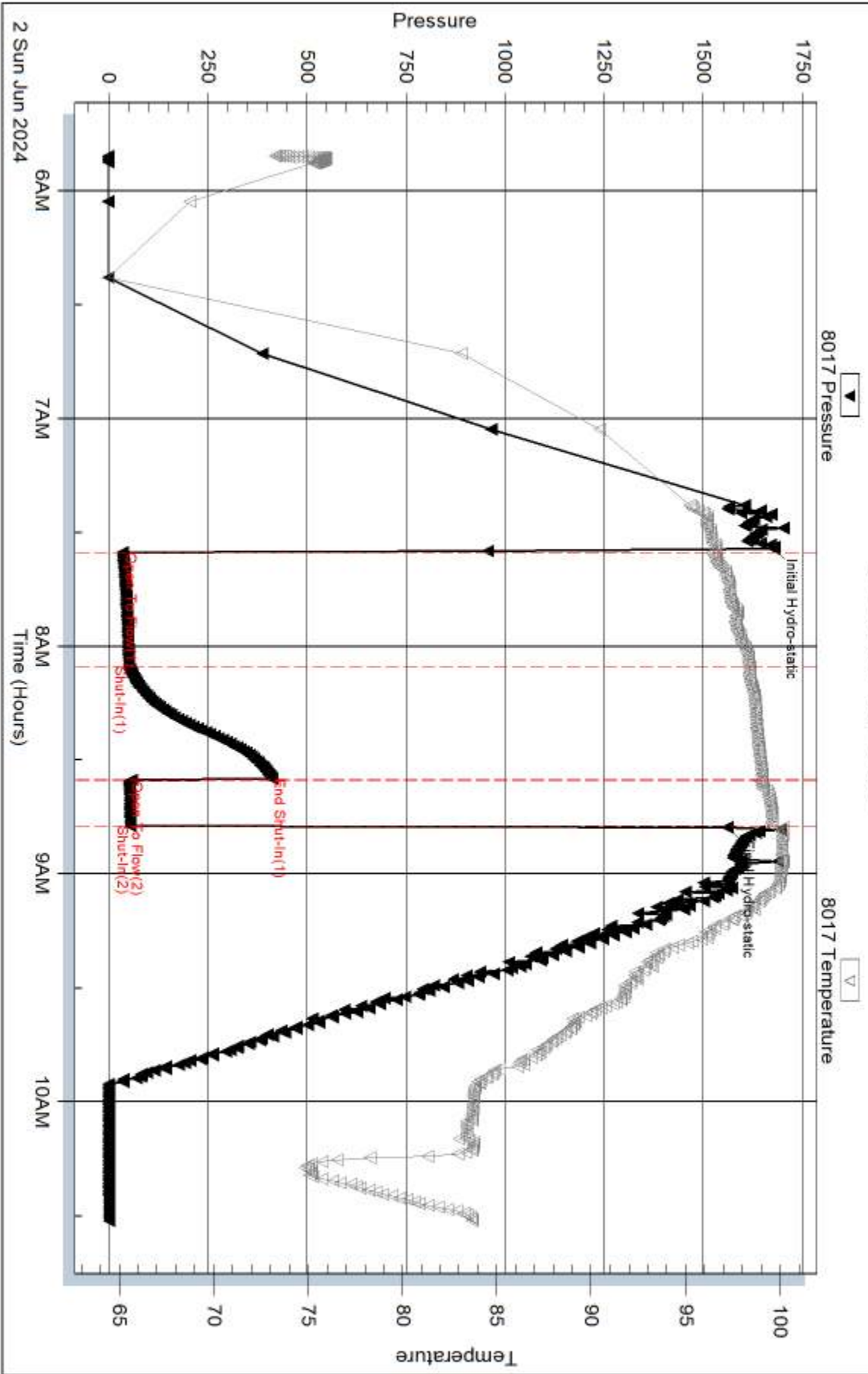
Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 3

Pressure vs. Time



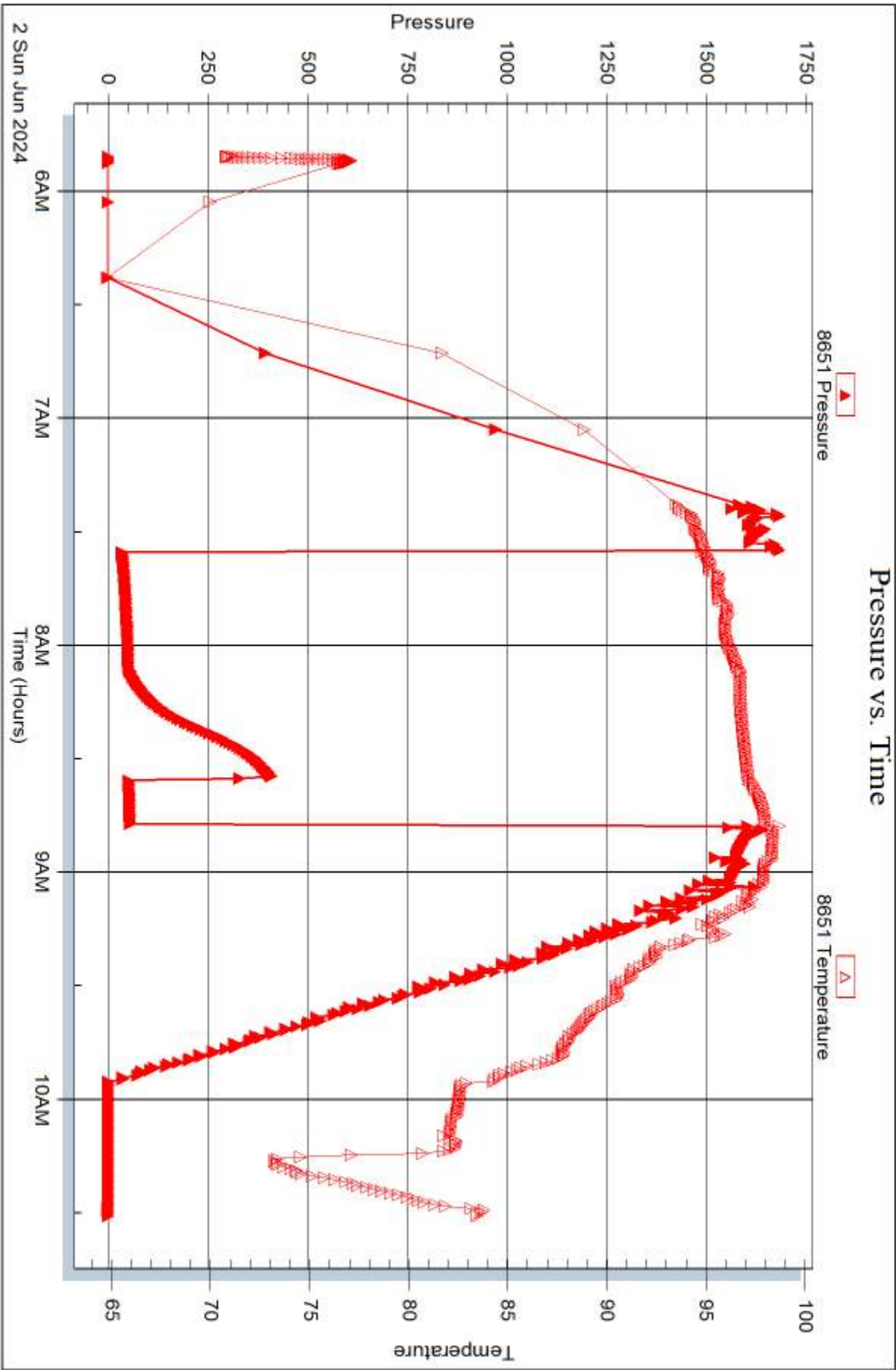
Serial #: 8651

Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **John O Farmer**

PO Box 352
Russell, KS 67665

ATTN: Austin Klaus

Hoffman Dinkel B #3

5-14s-17w Ellis, KS

Start Date: 2024.06.04 @ 15:17:13

End Date: 2024.06.04 @ 19:56:58

Job Ticket #: 69083 DST #: 4

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.06.04 @ 16:47:57



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69083

DST#: 4

ATTN: Austin Klaus

Test Start: 2024.06.04 @ 15:17:13

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:43

Time Test Ended: 19:56:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 76

Interval: **3539.00 ft (KB) To 3573.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8651** Inside

Press@RunDepth: 43.28 psig @ 3544.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.03

End Date:

2024.06.03

Last Calib.: 1899.12.30

Start Time: 15:17:14

End Time:

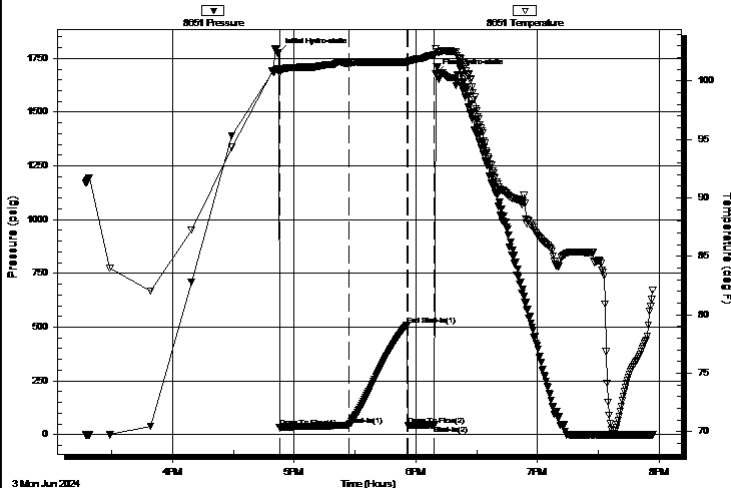
19:56:58

Time On Btm: 2024.06.03 @ 16:52:13

Time Off Btm: 2024.06.03 @ 18:09:58

TEST COMMENT: IF weak blow died in 15 minutes
FF- weak blow died in 1 minute
Straddle packer failed

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1777.76	101.05	Initial Hydro-static
1	33.52	100.64	Open To Flow (1)
35	43.28	101.51	Shut-In(1)
64	509.71	101.62	End Shut-In(1)
64	44.23	101.49	Open To Flow (2)
77	45.22	102.21	Shut-In(2)
78	1680.77	102.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.58

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69083

DST#: 4

ATTN: Austin Klaus

Test Start: 2024.06.04 @ 15:17:13

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:43

Time Test Ended: 19:56:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 76

Interval: **3539.00 ft (KB) To 3573.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8650** Outside

Press@RunDepth: psig @ 3544.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.03

End Date:

2024.06.03

Last Calib.:

1899.12.30

Start Time: 15:17:55

End Time:

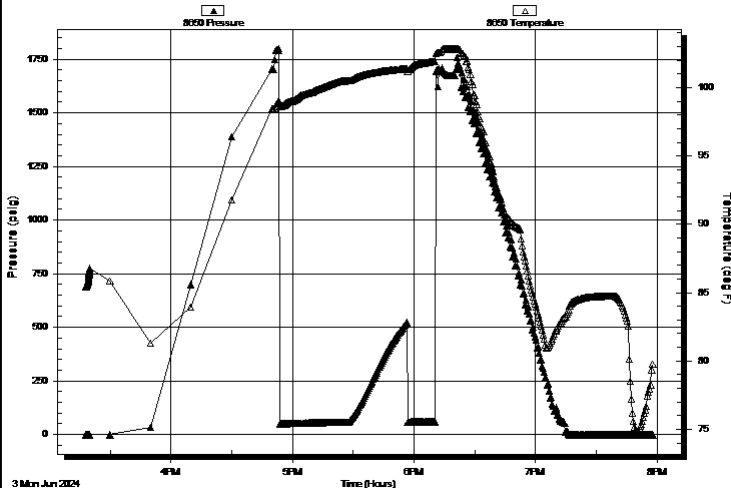
19:57:54

Time On Btm:

Time Off Btm:

TEST COMMENT: IF weak blow died in 15 minutes
FF- weak blow died in 1 minute
Straddle packer failed

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud	0.58

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
--	----------------	-----------------	-------------------

* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69083

DST#: 4

ATTN: Austin Klaus

Test Start: 2024.06.04 @ 15:17:13

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:52:43

Time Test Ended: 19:56:58

Test Type: Conventional Bottom Hole (Reset)

Tester: Paul Simpson

Unit No: 76

Interval: **3539.00 ft (KB) To 3573.00 ft (KB) (TVD)**

Reference Elevations: 2028.00 ft (KB)

Total Depth: 3670.00 ft (KB) (TVD)

2020.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **8017** Below (Straddle)

Press@RunDepth: psig @ 3581.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.06.03

End Date:

2024.06.03

Last Calib.:

1899.12.30

Start Time: 15:17:23

End Time:

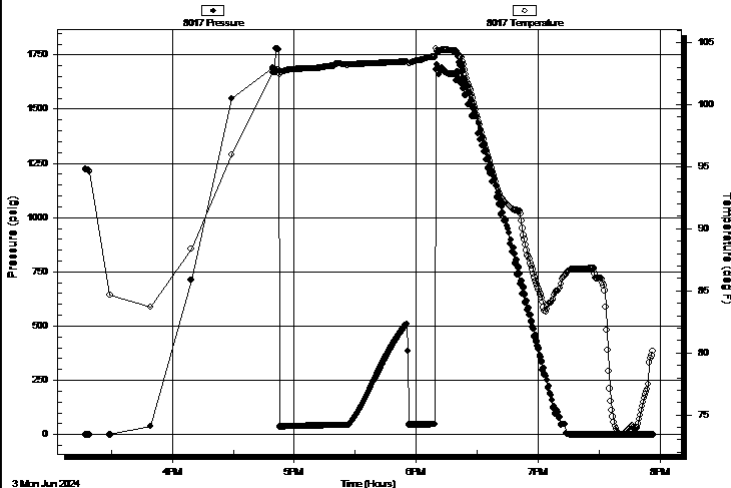
19:56:37

Time On Btm:

Time Off Btm:

TEST COMMENT: IF weak blow died in 15 minutes
FF- weak blow died in 1 minute
Straddle packer failed

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
60.00	mud	0.58

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)
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* Recovery from multiple tests



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69083

DST#: 4

ATTN: Austin Klaus

Test Start: 2024.06.04 @ 15:17:13

Tool Information

Drill Pipe:	Length:	3504.00 ft	Diameter:	3.80 inches	Volume:	49.15 bbl	Tool Weight:	2500.00 daN
Heavy Wt. Pipe:	Length:	ft	Diameter:	inches	Volume:	- bbl	Weight set on Packer:	20000.00 daN
Drill Collar:	Length:	29.00 ft	Diameter:	2.25 inches	Volume:	0.14 bbl	Weight to Pull Loose:	70000.00 daN
					Total Volume:	- bbl	Tool Chased	1.00 ft
Drill Pipe Above KB:		21.00 ft					String Weight: Initial	60000.00 daN
Depth to Top Packer:		3539.00 ft					Final	60000.00 daN
Depth to Bottom Packer:		ft						
Interval between Packers:		138.00 ft						
Tool Length:		165.00 ft						
Number of Packers:		3	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			3513.00	
Shut In Tool	5.00			3518.00	
Hydraulic tool	5.00			3523.00	
gap sub	4.00			3527.00	
Safety Joint	3.00			3530.00	
Packer	5.00			3535.00	27.00 Bottom Of Top Packer
Packer	4.00			3539.00	
Stubb	1.00			3540.00	
Perforations	4.00			3544.00	
Recorder	0.00	8651	Inside	3544.00	
Recorder	0.00	8650	Outside	3544.00	
Perforations	28.00			3572.00	
Blank Off Sub	5.00			3577.00	138.00 Tool Interval
Packer	4.00			3581.00	
Recorder	0.00	8017	Below	3581.00	
Perforations	1.00			3582.00	
Change Over Sub	1.00			3583.00	
Blank Spacing	94.00			3677.00	1000164.00 Bottom Packers & Anchor

Total Tool Length: 165.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer

5-14s-17w Ellis,KS

PO Box 352
Russell,KS 67665

Hoffman Dinkel B #3

Job Ticket: 69083

DST#: 4

ATTN: Austin Klaus

Test Start: 2024.06.04 @ 15:17:13

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbl

Water Loss: in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud	0.577

Total Length: 60.00 ft

Total Volume: 0.577 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8651

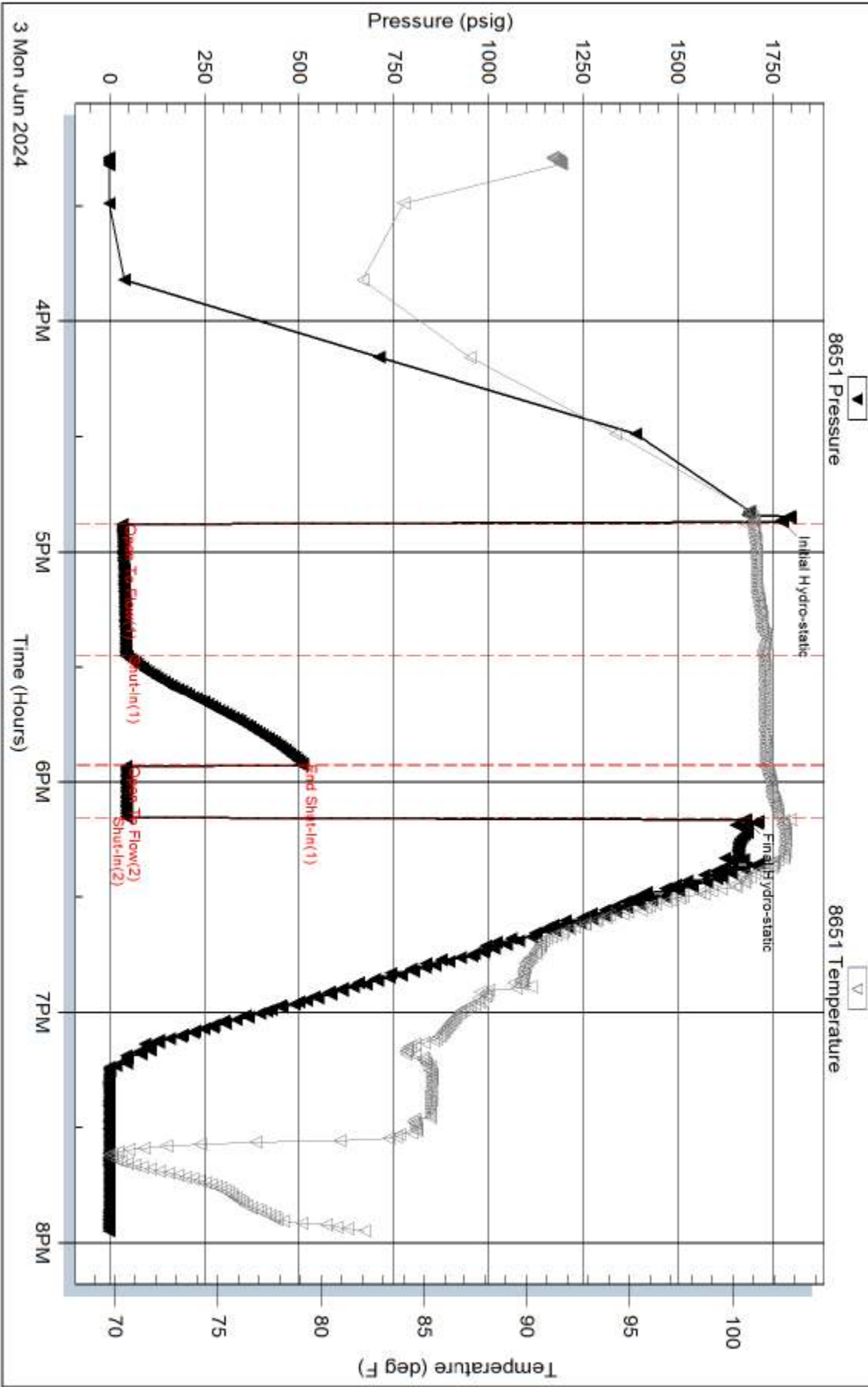
Inside

John O Farmer

Hoffman Dinkel B #3

DST Test Number: 4

Pressure vs. Time

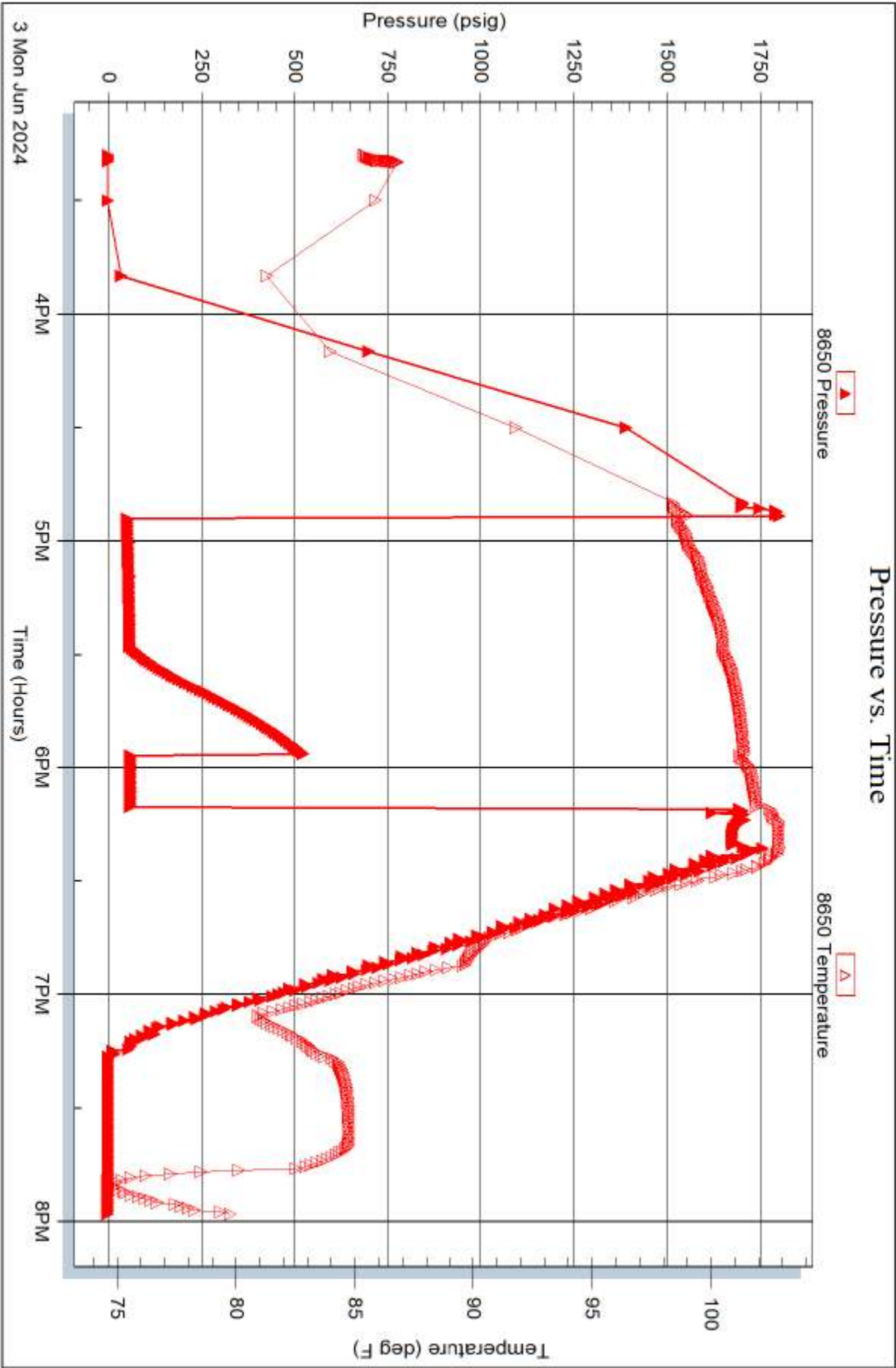


Serial #: 8650

Outside John O Farmer

Hoffman Dinkel B #3

DST Test Number: 4

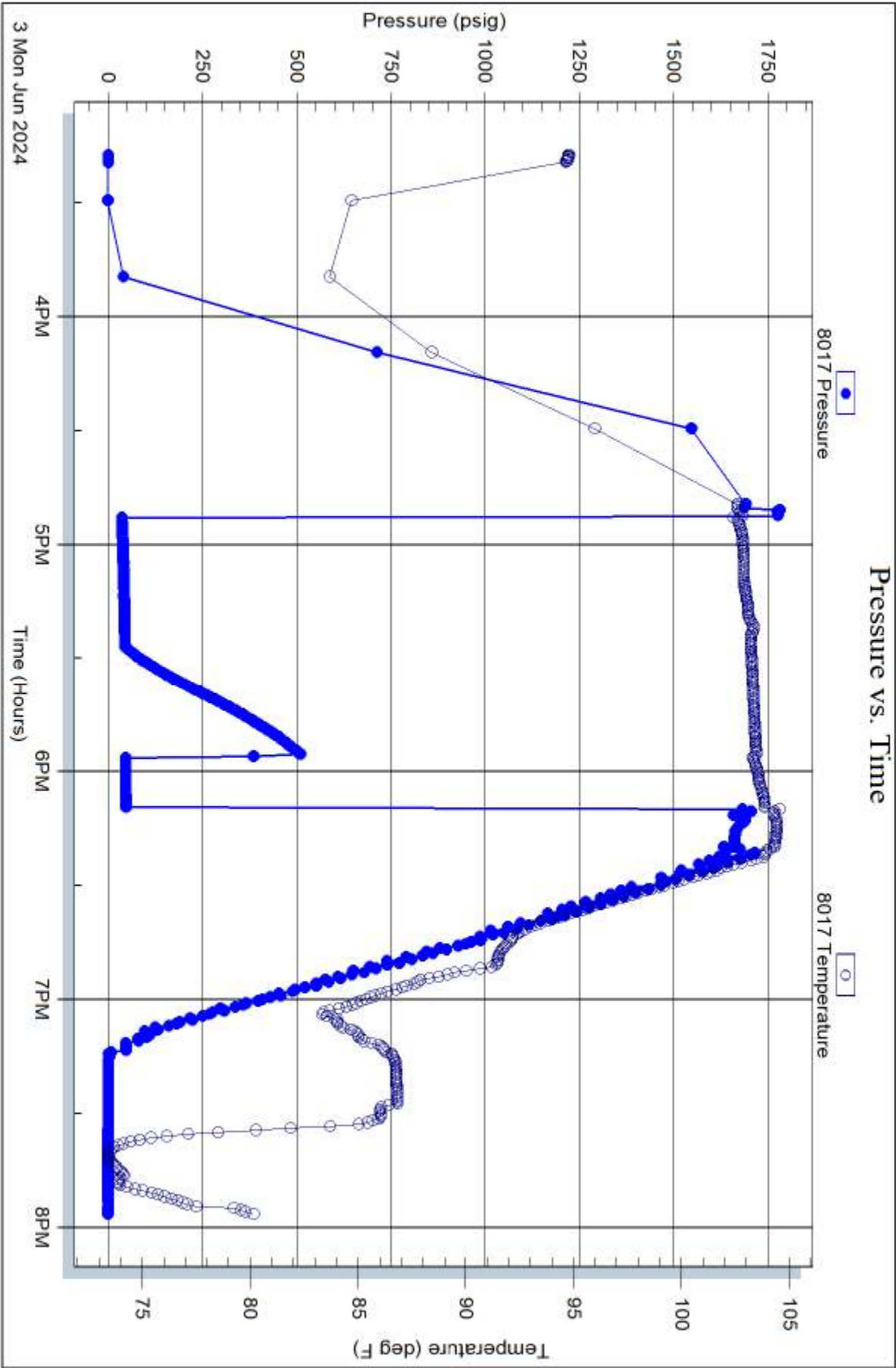


Serial #: 8017

Below (Straddle) Farmer

Hoffman Dinkel B #3

DST Test Number: 4





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69080

Well Name & No. Hoffman Dinkel B #3 Test No. 1 Date 6/1/27
 Company John O. Farmer Elevation 2028 KB 2020 GL
 Address _____
 Co. Rep / Geo. Austin Kley Rig Discovery #2
 Location: Sec. 5 Twp 14 Rge. 17 Co. Ellis State Ks

Interval Tested 3266-3352 Zone Tested Lansing
 Anchor Length 86 Drill Pipe Run 3223 Mud Wt. 9.0
 Top Packer Depth 3261 Drill Collars Run 29 Vls 52
 Bottom Packer Depth 3266 Wt. Pipe Run _____ WL 8.8
 Total Depth 3352 Chlorides _____ ppm System LCM _____
 Blow Description Started out 55' from bottom

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

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic _____	☐ Test _____	T-On Location _____
(B) First Initial Flow _____	☐ Jars _____	T-Started <u>0845</u>
(C) First Final Flow _____	☐ Safety Joint _____	T-Open _____
(D) Initial Shut-In _____	☐ Circ Sub _____	T-Pulled _____
(E) Second Initial Flow _____	☐ Hourly Standby _____	T-Out _____
(F) Second Final Flow _____	☐ Mileage <u>8</u>	Comments _____
(G) Final Shut-In _____	☐ Sampler _____	_____
(H) Final Hydrostatic _____	☐ Straddle _____	☐ EM Tool _____
Initial Open _____	☐ Shale Packer _____	☐ Ruined Shale Packer _____
Initial Shut-In _____	☐ Extra Packer _____	☐ Ruined Packer _____
Final Flow _____	☐ Extra Recorder _____	☐ Extra Copies _____
Final Shut-In _____	☐ Day Standby _____	Sub Total _____
	☐ Accessibility _____	Total _____
	Sub Total _____	MP/DST Disc't _____

Approved By _____ Our Representative _____
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. **69081**

Well Name & No. Hoffman Dinkel B #3 Test No. 2 Date 6/1/24
 Company John O Farmer Elevation 2028 KB 2020 GL
 Address _____
 Co. Rep / Geo. Austin Klay Rig Discovery #2
 Location: Sec. 8 Twp 14 Rge. 17 Co. Ellis State _____

Interval Tested 3266-3352 Zone Tested Toronto - C
 Anchor Length 86 Drill Pipe Run 3223 Mud Wt. _____
 Top Packer Depth 3261 Drill Collars Run 29 Vls _____
 Bottom Packer Depth 3266 Wt. Pipe Run _____ WL _____
 Total Depth 3352 Chlorides _____ ppm System LCM _____
 Blow Description Weak blow died in 5 minutes
ff- no blow pulled tool

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

Rec Total _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1635
 (B) First Initial Flow 49
 (C) First Final Flow 50
 (D) Initial Shut-In 122
 (E) Second Initial Flow 51
 (F) Second Final Flow 52
 (G) Final Shut-In —
 (H) Final Hydrostatic 1551

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

☒ Test 1800
☐ Jars _____
☐ Safety Joint _____
☐ Circ Sub _____
☐ Hourly Standby _____
☐ Mileage 8 14
☐ Sampler _____
☐ Straddle _____
☐ Shale Packer _____
☐ Extra Packer _____
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
 Sub Total 1814

T-On Location _____
 T-Started 1608
 T-Open 1742
 T-Pulled 1853
 T-Out 2022
 Comments _____
☒ EM Tool _____
☐ Ruined Shale Packer _____
☐ Ruined Packer _____
☐ Extra Copies _____
 Sub Total 0
 Total 1814
 MP/DST Disc't _____

Approved By _____

Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69082

Well Name & No. Hoffman Dinkel B43 Test No. 3 Date 6/2/24
 Company John O Farmer Elevation 2028 KB 2020 GL
 Address _____
 Co. Rep / Geo. Anson Klaus Rig Discovery #2
 Location: Sec. 5 Twp 14s Rge. 12W Co. Ellis State Ks

Interval Tested 3348 - 3410 Zone Tested 1KC D-6
 Anchor Length 62 Drill Pipe Run 3316 Mud Wt. 8.9
 Top Packer Depth 3343 Drill Collars Run 29 Vis 52
 Bottom Packer Depth 3348 Wt. Pipe Run _____ WL _____
 Total Depth 3410 Chlorides _____ ppm System LCM _____
 Blow Description weak blow - died in 8 minutes
ff - blow died in 1 minute

Rec <u>10</u>	Feet of <u>SI OSM</u>	%gas <u>2</u>	%oil	%water <u>98</u>	%mud
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 _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1669</u>	☐ Test <u>1800</u>	T-On Location <u>0500</u>
(B) First Initial Flow <u>36</u>	☐ Jars _____	T-Started <u>0550</u>
(C) First Final Flow <u>51</u>	☐ Safety Joint _____	T-Open <u>0734</u>
(D) Initial Shut-In <u>411</u>	☐ Circ Sub _____	T-Pulled <u>0845</u>
(E) Second Initial Flow <u>52</u>	☐ Hourly Standby _____	T-Out <u>1031</u>
(F) Second Final Flow <u>55</u>	☒ Mileage <u>8</u> <u>14</u>	Comments _____
(G) Final Shut-In _____	☐ Sampler _____	_____
(H) Final Hydrostatic <u>1580</u>	☐ Straddle _____	☐ EM Tool _____
Initial Open <u>30</u>	☐ Shale Packer _____	☐ Ruined Shale Packer _____
Initial Shut-In <u>30</u>	☐ Extra Packer _____	☐ Ruined Packer _____
Final Flow <u>16</u>	☐ Extra Recorder _____	☐ Extra Copies _____
Final Shut-In _____	☐ Day Standby _____	Sub Total <u>0</u>
	☐ Accessibility _____	Total <u>1814</u>
	Sub Total _____	MP/DST Disc't _____

Approved By _____

Our Representative _____

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 69083

Well Name & No. Hoffman Dinkel B 3 Test No. 4 Date 6/3/2024
Company John O Sommer Elevation 2028 KB 2020 GL
Address _____
Co. Rep / Geo. Austin Klaus Rig Discovery #2
Location: Sec. 5 Twp 14s Rge. 17 W Co. Ellis State _____

Interval Tested 3539-3573 Zone Tested A13
Anchor Length 34 Drill Pipe Run 3504 Mud Wt. _____
Top Packer Depth 3539 Drill Collars Run 29 Vis _____
Bottom Packer Depth 3573 Wt. Pipe Run _____ WL _____
Total Depth 3620 Chlorides _____ ppm System LCM _____
Blow Description Weak blow died in 15 min w/

if weak blow died in 1 min w/

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>Mud</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 _____ BHT _____ Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1777 ☒ Test X 1350
(B) First Initial Flow 34 ☐ Jars _____
(C) First Final Flow 43 ☐ Safety Joint _____
(D) Initial Shut-In 510 ☐ Circ Sub _____
(E) Second Initial Flow 44 ☐ Hourly Standby _____
(F) Second Final Flow 45 ☐ Mileage 8 14
(G) Final Shut-In _____ ☐ Sampler _____
(H) Final Hydrostatic _____ ☐ Straddle X 800

T-On Location _____

T-Started 1517

T-Open 1652

T-Pulled 1809

T-Out 1956

Comments _____

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

☐ Shale Packer _____
☐ Extra Packer X
☐ Extra Recorder _____
☐ Day Standby _____
☐ Accessibility _____
Sub Total _____

☐ EM Tool _____

☐ Ruined Shale Packer _____

☐ Ruined Packer _____

☐ Extra Copies _____

Sub Total 0

Total 2164

MP/DST Disc't _____

Approved By _____

Our Representative _____

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