KOLAR Document ID: 1681829

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 # 5135
Name: Farmer, John O., Inc.
Address 1: 370 W WICHITA AVE
Address 2: PO BOX 352
City: RUSSELL State: KS Zip: 67665 + 0352
Contact Person: Marge Schulte
Phone: (785) 483-3145
CONTRACTOR: License # 31548
Name: Discovery Drilling
Wellsite Geologist: Austin Klaus
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 #:

09/29/2022 Spud Date or Recompletion Date
10/05/2022 Date Reached TD
10/06/2022 Completion Date or Recompletion Date

API No.: 15-051-27047-00-00
Spot Description: W2 SW SE SW
W2 - SW - SE - SW Sec. 34 Twp. 12 S. R. 17 ☐ East ☑ West
330 Feet from ☐ North / ☑ South Line of Section
1510 Feet from ☐ East / ☑ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☐ SE ☑ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Ellis
Lease Name: SCHMIDT B Well #: 1
Field Name: Schmeidler Southeast
Producing Formation: NA
Elevation: Ground: 2036 Kelly Bushing: 2044
Total Vertical Depth: 3660 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 223 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: 37000 ppm Fluid volume: 400 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Herman L. Loeb, LLC
Lease Name: Herb Schmidt License #: 3273
Quarter SW Sec. 34 Twp. 12 S. R. 17 ☐ East ☑ West
County: Ellis Permit #: D27136.0

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: 01/19/2023
☐ **Confidential Release Date:** 01/18/2025
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** David Befort **Date:** 01/22/2023

Operator Name: Farmer, John O., Inc. Lease Name: SCHMIDT B Well #: 1

Sec. 34 Twp. 12 S. R. 17 ☐ East ☑ West County: Ellis

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 *(Attach Additional Sheets)*	☑ Yes	☐ No	
Samples Sent to Geological Survey	☑ Yes	☐ No	
Cores Taken	☐ Yes	☑ No	
Electric Log Run	☑ Yes	☐ No	
Geologist Report / Mud Logs	☑ Yes	☐ No	

List All E. Logs Run:

Compensated Density Neutron Log
Dual Induction Log
Microresistivity Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Attached	Attached	Attached

CASING RECORD ☑ New ☐ 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
Surface	12.25	8.625	23	223	80/20 Pozmix	150	3% C.C., 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
☐ Perforate ☐ Protect Casing ☐ Plug Back TD ☐ 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: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
☐ Vented ☐ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*	☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*	Top / Bottom

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

TUBING RECORD: Size: Set At: Packer At:

Mail to: KCC - Conservation Division, 266 N. Main, Suite 220, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	SCHMIDT B 1
Doc ID	1681829

Tops

Name	Top	Datum
Anhydrite	1234'	(+810)
Topeka	3020'	(-976)
Heebner	3258'	(-1214)
Toronto	3277'	(-1233)
Lansing	3303'	(-1259)
Base/KC	3538'	(-1494)
Arbuckle	3561'	(-1517)
L.T.D.	3660'	(-1616)

Form	ACO1 - Well Completion
Operator	Farmer, John O., Inc.
Well Name	SCHMIDT B 1
Doc ID	1681829

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	223	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
370 West Wichita Avenue - P.O. Box 352
Russell, KS 67665 + 0352

Contractor: **Discovery Drilling Co., Inc. LIC#31548**
PO Box 763
Hays, KS 67601

Lease: Schmidt "B" # 1

Location: 330 FSL - 1510 FWL
W/2/SW/SE/SW
Section 34/ 12S/ 17W
Ellis County, KS

Loggers Total Depth: 3660'
Rotary Total Depth: 3660'
Commenced: 9/29/2022
Casing: 8 5/8" @ 223'W/150sks

API#15- 051-27,047-00-00
Elevation: 2036 GL - 2044 KB
Completed: 10/6/2022
Status: D & A
KCC Contact: Case Morris
Plugging Info: (1st Plug @ 3540'W/50sks)(2nd Plug @ 1250'W/50sks) (3rd Plug @ 650'W/100sks)(4th Plug @ 275'W/50sks) (5th Plug @ 40'W/10sks)(30sks In Rat Hole)(15sks In Mouse Hole)(Total 305sks 60/40Poz 4%Gel-1/4# FS/sk) (By Quality Oilwell Cementing-Completed @ 10:00AM 10/6/2022)

DEPTHS & FORMATIONS
(All from KB)

Surface, Sand & Shale	0'	Shale	1275'
Dakota Sand	569'	Shale & Lime	1798'
Shale	658'	Shale	2206'
Cedar Hill Sand	753'	Shale & Lime	2873'
Red Bed Shale	981'	Lime & Shale	3263'
Anhydrite	1238'	RTD	3660'
Base Anhydrite	1275'		

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 10-12-2022

My Commission expires: 6-28-2026

(Place stamp or seal below)

Myrna S. Hoffman
Notary Public

NOTARY PUBLIC STATE OF KANSAS
MYRNA S. HOFFMAN
NOTARY PUBLIC
STATE OF KANSAS
My App. Exp. 6-28-2026

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 3139

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
9-29-22	34	12	17	Ellis	Ks		7:45pm

Location Cathrine 4 Nto E

Lease SCHMIDT "B" Well No. 1

Contractor Discovery 4

Type Job SURFACE

Hole Size 12¼ T.D. 223

Csg. 8⅝ Depth

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 15 Shoe Joint

Meas Line Displace 13⅓

EQUIPMENT

Pumptrk 17	No.	Cementer	Bill
		Helper	
Bulktrk	No.	Driver	Nick
		Driver	
Bulktrk 14	No.	Driver	
		Driver	TIM

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

SURFACE set @ 223

Cemt w/ 150sx

Pump Plug w/ 13⅓ bbls

Cemt did Circ.

X Signature Ryan Daniel

Owner

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.

Charge To J.O. FARMER INC.

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 150sx 80/20 3-2

Common	120
Poz. Mix	30
Gel.	3
Calcium	6
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	159
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	15
Tax	
Discount	
Total Charge	

Thanks

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071 Home Office P.O. Box 32 Russell, KS 67665 No. 3143

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-6-22	34	12	17	Ellis	KS		10:00AM

Location CATHRINE 1E 2N ½W

Lease SCHMIDT "B" Well No. 1

Contractor Discovery 4

Type Job PTA

Hole Size 7⅞ T.D. 3660

Csg. Depth

Tbg. Size Depth

Tool Depth

Cement Left in Csg. Shoe Joint

Meas Line Displace

EQUIPMENT

Pumptrk 17 No. Cementer Helper — Bill

Bulktrk No. Driver Driver — Nick

Bulktrk 13 No. Driver Driver — Bryant

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30

Mouse Hole 15

Centralizers

Baskets

D/V or Port Collar

3540 - 50sx

1250 - 50sx

650 - 100sx

275 - 50sx

40 - 10sx

Owner

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.

Charge To J.O. FARMER INC

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 305sx 60/40.4 ¼# F10

Common	183
Poz. Mix	122
Gel.	11
Calcium	
Hulls	
Salt	
Flowseal	75#
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	316
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	8⅝ wood - 1
Pumptrk Charge	Plug
Mileage 15	
Tax	
Discount	
Total Charge	

Thanks

X Signature Ryan Haskell

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:	Schmidt B #1
API:	15-051-27047-0000
Location:	Ellis County
License Number:	
Region:	Kansas
Spud Date:	09/29/2022
Drilling Completed:	10/05/2022
Surface Coordinates:	Section 34 Township 12 South Range 17 West 330' FNL & 1,510' FWL
Bottom Hole Coordinates:	Vertical well w/ minimal deviation, same as above
Ground Elevation (ft):	2,036
K.B. Elevation (ft):	2,044
Logged Interval (ft):	3,000 To: 3,660
Total Depth (ft):	3,660
Formation:	TOPEKA - ARBUCKLE
Type of Drilling Fluid:	Chemical (Mud Co./Service Mud, LLC)

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 Schmidt B #1 was drilled by Discovery Drilling Rig #4 (Tool Pusher: Ryan Gaschler).

The location for the Schmidt B #1 was discovered via 3D seismic survey. Drill time was recorded, and rock samples were gathered and evaluated from 3,000' - 3,660'. Oil shows were encountered in several Lansing zones (see below) and Arbuckle. Structurally, the Lansing top was picked 1' low to the comparison well, Schmidt #1 (Harms-Burt, SE/4 SE/4 SW/4). Two bottom-hole drill stem tests were conducted to evaluate the Lansing zones (see results below). Structure thinned below the B/KC and the Arbuckle top was picked 17' high to the comparison well. Two straddle tests were conducted on the Arbuckle, both of which yielded negative results.

After comprehensive evaluation of oil shows, structural position, electric logs, and drill stem test results, the decision was made to plug and abandon the Schmidt B #1 on 10/06/2022.

ROCK TYPES

Anhy, Bent, Brec, Cht, Clyst, Coal, Congl, Dol, Gyp, Igne, Lmst, Meta, Mrlst, Salt, Shale, Shcol, Shgy, Sltst, Ss, Till

OTHER SYMBOLS

POROSITY
- E Earthy
- Fenest
- F Fracture
- Inter
- Moldic
- O Organic
- P Pinpoint
- V Vuggy

SORTING
- W Well
- M Moderate
- P Poor

ROUNDING
- R Rounded
- r Subrnd
- a Subang
- A Angular

OIL SHOW
- Even

- Spotted
- Ques
- D Dead

INTERVAL
- Core
- Dst

EVENT
- Rft
- Sidewall

Curve Track 1
ROP (min/ft)
Gas (units)
Gamma (API)

MD | Lithology | Oil Shows | Geological Descriptions | DST/Mud/Survey

0 ROP (min/ft) 5
0 Gas (units) 500
0 Gamma (API) 150

2950

DAILY ACTIVITY:

09/29/2022: Rig Up; Spud @ 1:45

09/30/2022: 550', drilling

10/01/2022: 2,475', drilling

10/02/2022: 3,166', drilling

10/03/2022: 3,398', conditioning hole for DST #2

10/04/2022: 3,528', drilling

10/05/2022: 3,660', short trip

10/06/2022: 3,660', plugging

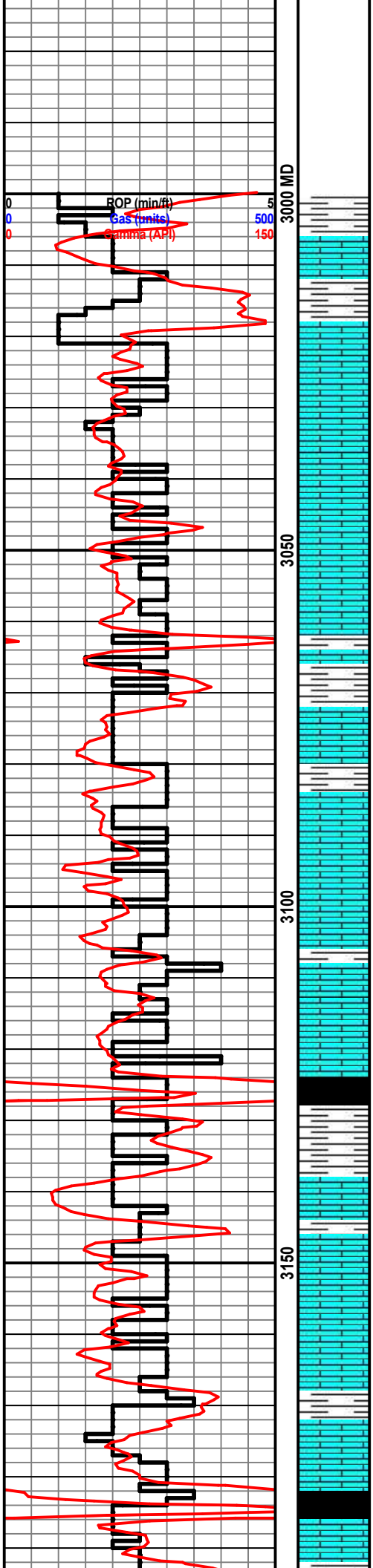
The open-hole logging was performed by Mr. Gus Pfanenstiel with Gemini Wireline, LLC (Hays, KS). Logs included: Compensated Density Neutron, Dual Induction, and Microresistivity.

Formation tops and datums from the open-hole logs include the following:

Formation	E-Log	Datum
Anhydrite	1234	810
Topeka	3020	-976
Heebner	3258	-1214
Toronto	3277	-1233
Lansing	3303	-1259
B/KC	3538	-1494
Arbuckle	3561	-1517
LTD	3660	-1616

Mud Engineer:
Gary Schmidtberger

Tester:
Leal Cason/Paul Simpson



Ls: buff-lt gry, fn-sub xln, DNS

Topeka 3022' (-978)

Ls: buff-lt gry, fn xln, DNS, scat foss

Ls: tan-lt gry, fn xln, scat foss, poor int xln porosity, most rxs DNS

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

Sh: lt gry

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

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

Ls: tan-lt gry, fn xln, scat fair int part porosity, NSFO, scat chalk

Sh: drk gry-blk

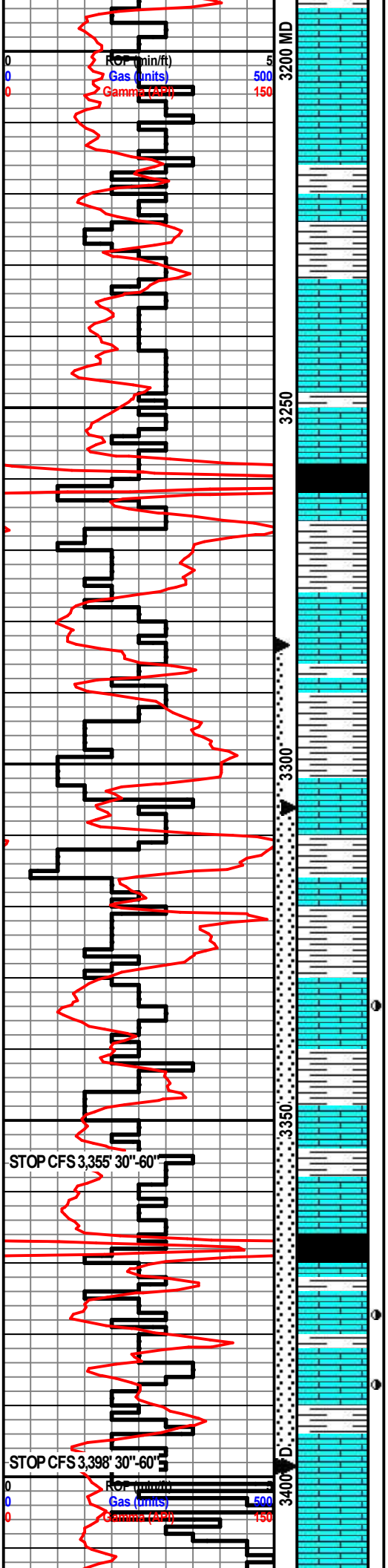
Wt: 8.7
Vis: 57

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

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

Sh: lt-drk gry

Sh: drk gry-blk



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

Sh: lt-drk gry

Ls: off wh-tan, fn xln, fair int part porosity, scat oil stn, foss, NSFO

Heebner 3260' (-1216)

Sh: blk, carb, fissile

Sh: lt-drk gry

Toronto 3279' (-1235)

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

DST #1 3,283'-3,398' (LKC A-F)

Failed Test: Hit bridge 8' from bottom & could not get through

Sh: lt-drk gry-brn

Lansing 3304' (-1260)

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

DST #2 3,308'-3,398' (LKC A-F)

30"-30"-45"-45"

Sh: lt-drk gry, scat brn

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

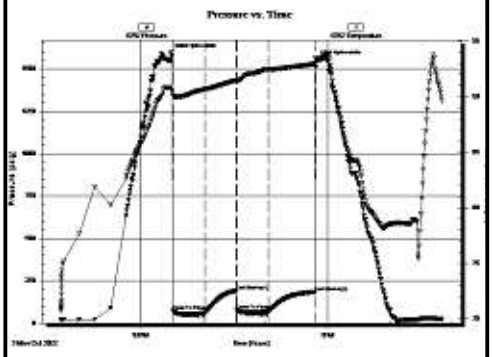
IF: BOB in 27 minutes, no blow back on SI
FF: BOB in 28 minutes, no blow back on SI

Sh: lt-drk gry

Rec: 90' sl. oil cut mud (1%O, 99%M)

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

FP: 74-63, 77-70#
SIP: 192-185#
HP: 1,592-1551#
BHT: 93



Sh: lt gry

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

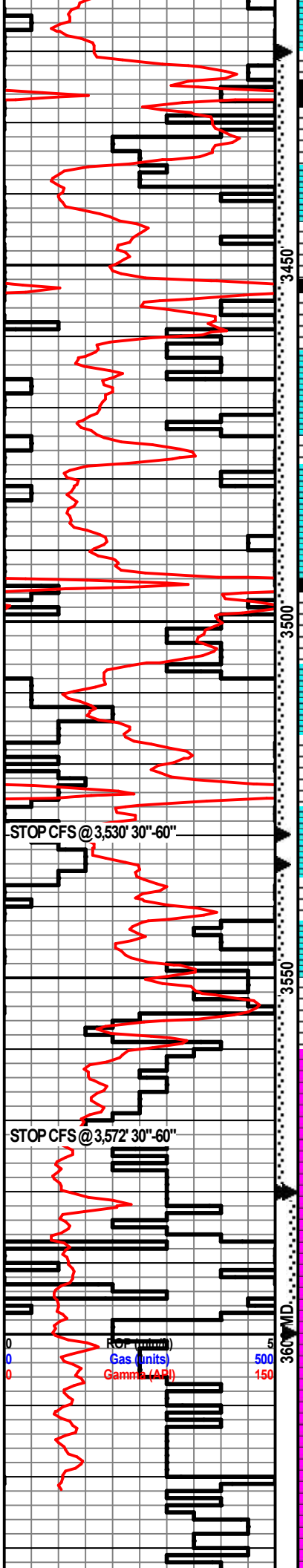
Sh: lt-drk gry

Ls: off wh-tan, fn xln, poor, few rxs fair int part porosity, scat oil stn in porosity, SSFO, sl-fair odor

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

Wt: 9.1
Vis: 55

Ls: off wh-tan, fn xln, ool, fair oom porosity, barren, scat chert



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

Sh: drk gry-blk

Sh: lt-drk gry

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

Sh: lt-drk gry

Ls: off wh-tan, fn xln, fair int xln, scat fair pp vuggy porosity, sl-fair oil stn, few rxs fair-good sat, S-FSFO, fair odor

Sh: lt-drk gry

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

Sh: lt-drk gry

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

Sh: lt-drk gry-brn

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

Sh: lt-drk gry

B/KC 3542' (-1498)

Ls: tan-gry-brn, fn-sub xln, DNS, scat congl, scat sh: gry

Sh: lt gry-brn

Arbuckle 3572' (-1528)

Dolo: off wh-tan, fn xln, poor-fair int xln porosity, few rxs good int xln porosity, fair-good oil sat, FSFO, good odor

Dolo: off wh-tan, fn-md xln, fair-few rxs good sucrosic xln porosity, fair-good oil sat, GSFO, good odor

Dolo: off wh-tan, fn-md xln, fair-good int xln porosity, scat-fair oil sat, S-FSFO, good odor

Dolo: off wh-tan, fn-md xln, poor int xln porosity, many rxs DNS, NSFO, chert-off wh

Dolo: off wh-tan, fn-md xln, poor-scat fair int xln porosity, mostly barren, scat chert-off wh

Dolo: off wh-tan, fn-crs xln, scat int xln porosity, mostly DNS, barren, hvy chert-off wh

DST #3 3,420'-3,530' (LKC H-K)

30"-30"-30"-30"

IF: weak blow built to 1.25"

FF: no blow

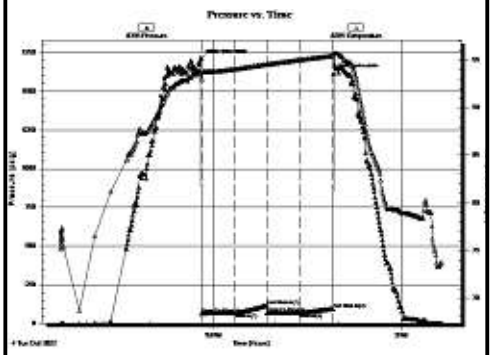
Rec: 2' Mud

FP: 66-68, 68-69#

SIP: 115-95#

HP: 1,712-1,116#

BHT: 96



Wt: 9.1

Vis: 55

DST #4 3,534-3,580' (TOP 19' ARBUCKLE)

30"-30"-30"-30"

IF: weak blow built to .75"

FF: no blow

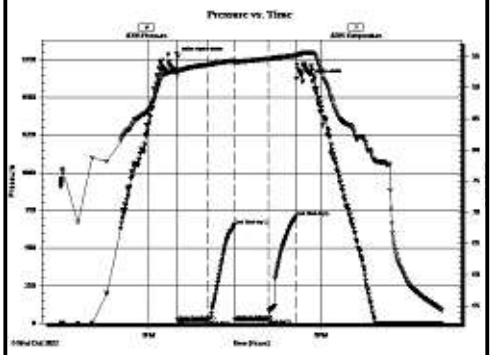
Rec: 5' Vry Sl. Oil Cut Mud (1%O, 99%M)

FP: 18-23, 23-31#

SIP: 651-708#

HP: 1,769-1,624#

BHT: 95



DST #5 3,580-3,600' (ARBUCKLE 18-39' IN)

30"-30"-30"-30"

IF: weak blow built to 7.5", no blow back on SI

FF: weak blow built to 6.25", no blow back on SI

Rec: 120' Muddy Water (5%M, 95%W)

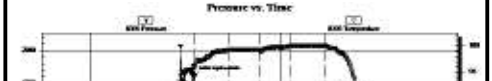
300' Heavy Mud Cut Water (40%M, 60%W)

FP: 28-101, 104-162#

SIP: 1,046-1,029#

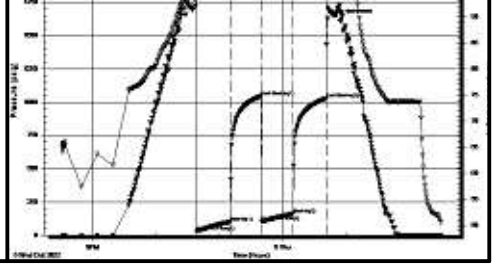
HP: 1,805-1,626#

BHT: 100



Dolo: off wh-tan-brn, fn-md xln, mostly DNS, hvy chert-off wh, scat chalk

Dolo: off wh-tan-brn, fn-md xln, DNS, hvy chert-off wh



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

Schmidt B 1

34-12S-17W Ellis

Start Date: 2022.10.03 @ 00:38:00

End Date: 2022.10.03 @ 05:10:17

Job Ticket #: 69552 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 10:48:02

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69552 **DST#: 1**

Test Start: 2022.10.03 @ 00:38:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:59:47
Time Test Ended: 05:10:17

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 72

Interval: 3282.00 ft (KB) To 3398.00 ft (KB) (TVD)
Total Depth: 3398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

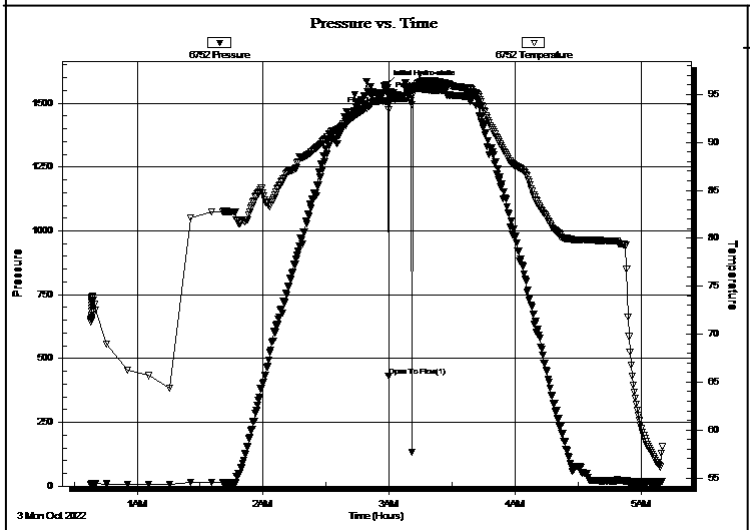
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: psig @ 3390.00 ft (KB)
Start Date: 2022.10.03 End Date: 2022.10.03
Start Time: 00:38:01 End Time: 05:10:17

Capacity: psig
Last Calib.: 2022.10.03
Time On Btm: 2022.10.03 @ 02:58:47
Time Off Btm: 2022.10.03 @ 03:12:32

TEST COMMENT: Tool Stacked About 8' from bottom, Packer Failure, Pulled Test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1573.67	94.23	Initial Hydro-static
1	429.56	93.44	Open To Flow (1)
2	1525.35	94.20	Packer Failure
14	1558.94	95.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud	1.41

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69552 **DST#: 1**

Test Start: 2022.10.03 @ 00:38:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 02:59:47
Time Test Ended: 05:10:17

Test Type: Conventional Bottom Hole (Initial)
Tester: Leal Cason
Unit No: 72

Interval: 3282.00 ft (KB) To 3398.00 ft (KB) (TVD)
Total Depth: 3398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

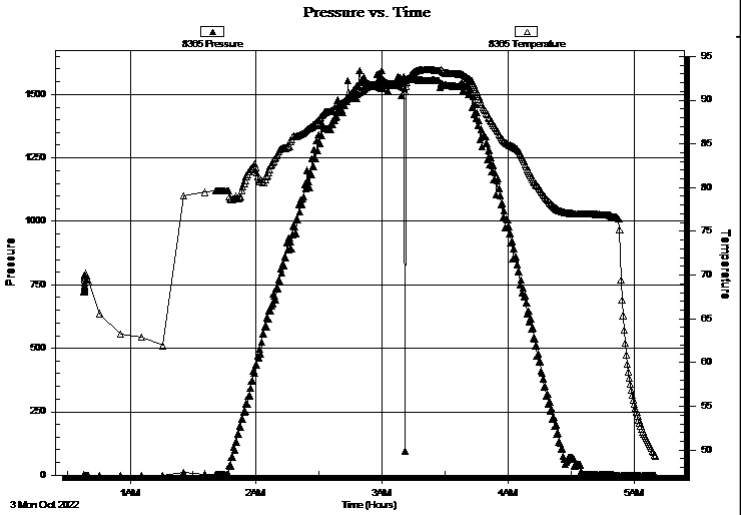
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Outside**

Press@RunDepth: psig @ 3390.00 ft (KB)
Start Date: 2022.10.03 End Date: 2022.10.03
Start Time: 00:38:01 End Time: 05:10:17

Capacity: psig
Last Calib.: 2022.10.03
Time On Btm:
Time Off Btm:

TEST COMMENT: Tool Stacked About 8' from bottom, Packer Failure, Pulled Test



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Mud	1.41

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69552 **DST#: 1**

Test Start: 2022.10.03 @ 00:38:00

Tool Information

Drill Pipe:	Length:	3250.00 ft	Diameter:	3.80	inches	Volume:	45.59	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25	inches	Volume:	0.15	bbl	
						Total Volume:	45.74	bbl	

Drill Pipe Above KB:	22.00 ft
Depth to Top Packer:	3282.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	116.00 ft
Tool Length:	140.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		35000.00 lb
Weight to Pull Loose:		65000.00 lb
Tool Chased		10.00 ft
String Weight:	Initial	45000.00 lb
	Final	48000.00 lb

Tool Comments: Tool Stacked About 8 feet from bottom

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3263.00		
Hydraulic tool	5.00			3268.00		
EM Tool	3.00			3271.00		
Safety Joint	2.00			3273.00		
Packer	5.00			3278.00	24.00	Bottom Of Top Packer
Packer	4.00			3282.00		
Stubb	1.00			3283.00		
Perforations	4.00			3287.00		
Change Over Sub	1.00			3288.00		
Drill Pipe	96.00			3384.00		
Change Over Sub	1.00			3385.00		
Handling Sub	5.00			3390.00		
Recorder	0.00	6752	Inside	3390.00		
Recorder	0.00	8365	Outside	3390.00		
perforations	5.00			3395.00		
Bullnose	3.00			3398.00	116.00	Bottom Packers & Anchor
Total Tool Length:	**140.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69552 **DST#: 1**

Test Start: 2022.10.03 @ 00:38:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.38 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

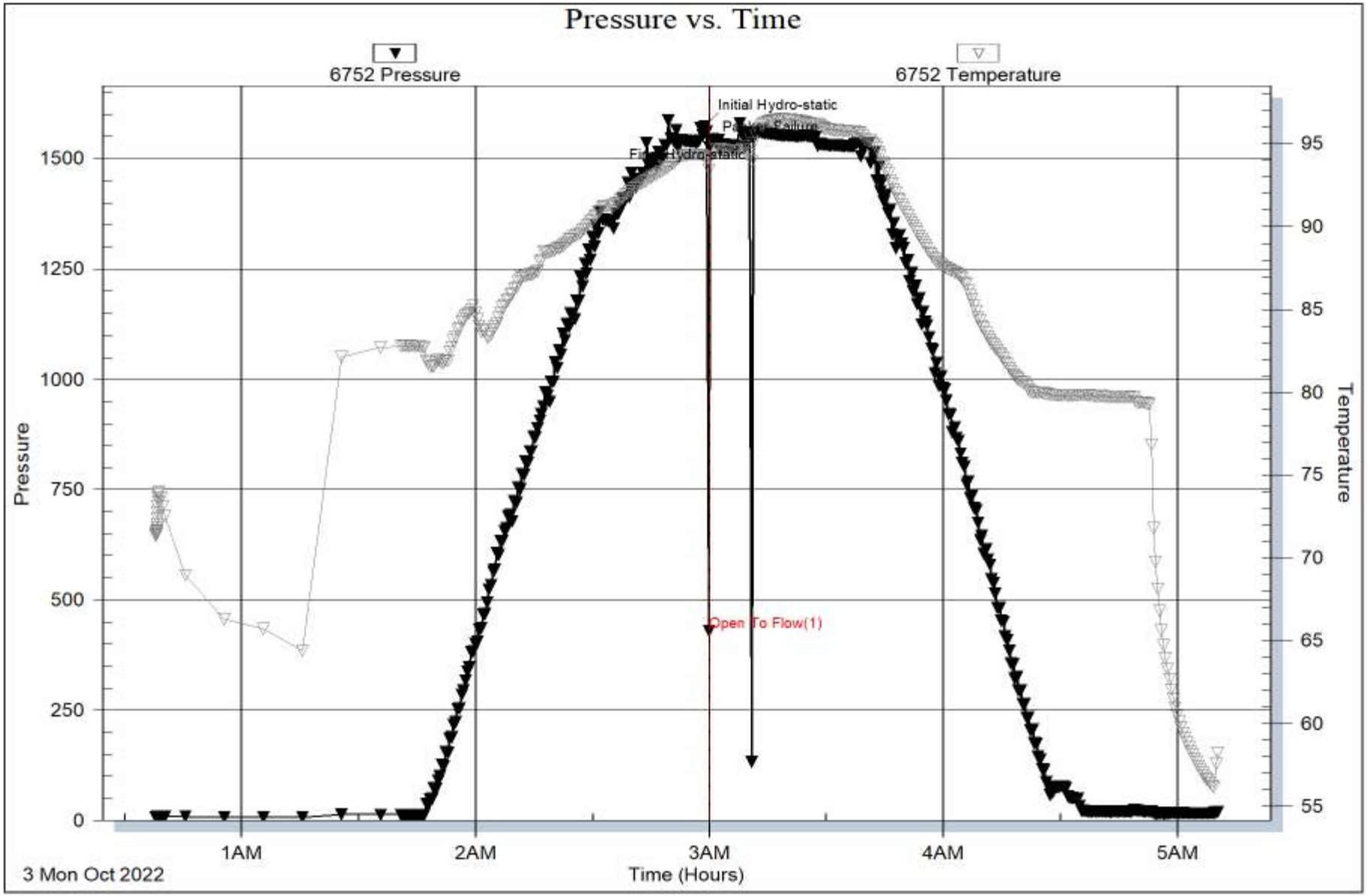
Recovery Table

Length ft	Description	Volume bbl
120.00	Mud	1.410

Total Length: 120.00 ft Total Volume: 1.410 bbl

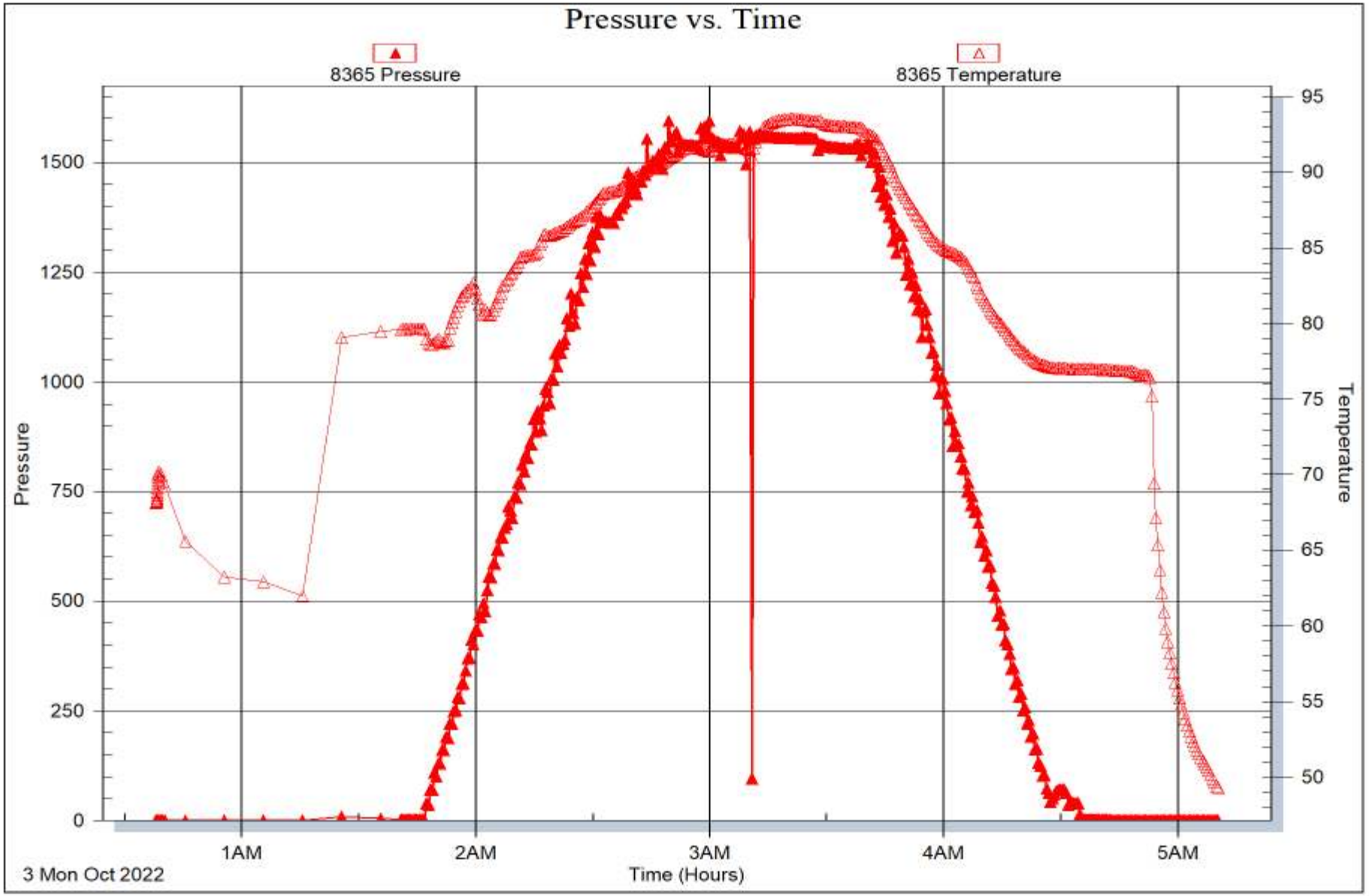
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6752 **Inside** John O Farmer Inc Schmidt B 1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 69552 Printed: 2022.10.07 @ 10:48:06

Serial #: 8365 **Outside** John O Farmer Inc Schmidt B 1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 69552 Printed: 2022.10.07 @ 10:48:06

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

Schmidt B 1

34-12S-17W Ellis

Start Date: 2022.10.03 @ 10:44:00
End Date: 2022.10.03 @ 16:50:02
Job Ticket #: 69553 DST #: 2

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

Printed: 2022.10.07 @ 10:46:18

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69553 **DST#: 2**

Test Start: 2022.10.03 @ 10:44:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:31:32
Time Test Ended: 16:50:02

Test Type: Conventional Bottom Hole (Reset)
Tester:
Unit No: 72

Interval: 3308.00 ft (KB) To 3398.00 ft (KB) (TVD)
Total Depth: 3398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

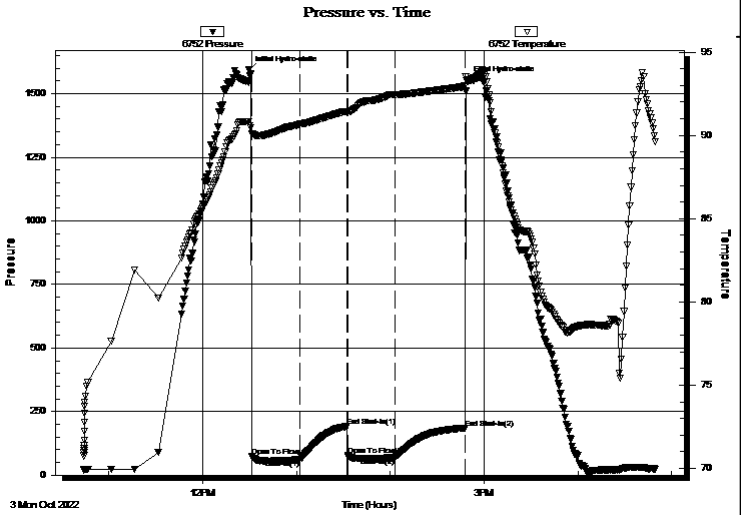
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: 69.79 psig @ 3385.00 ft (KB)
Start Date: 2022.10.03 End Date: 2022.10.03
Start Time: 10:44:01 End Time: 16:50:02

Capacity: psig
Last Calib.: 2022.10.03
Time On Btm: 2022.10.03 @ 12:29:32
Time Off Btm: 2022.10.03 @ 14:48:47

TEST COMMENT: IF: Fair Blow , BOB in 27 minutes, Built to 13.18"
ISI: No Blow Back
FF: Fair Blow , BOB in 28 minutes, Built to 12.72
FSI: No Blow Back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1592.09	90.84	Initial Hydro-static
2	73.67	90.12	Open To Flow (1)
33	63.31	90.67	Shut-In(1)
63	191.98	91.43	End Shut-In(1)
64	76.89	91.42	Open To Flow (2)
94	69.79	92.45	Shut-In(2)
139	185.38	92.97	End Shut-In(2)
140	1550.88	93.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
90.00	SOSM 1%O 99%M	0.99

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69553 **DST#: 2**

Test Start: 2022.10.03 @ 10:44:00

GENERAL INFORMATION:

Formation: **LKC "A-F"**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:31:32
Time Test Ended: 16:50:02

Test Type: Conventional Bottom Hole (Reset)
Tester:
Unit No: 72

Interval: 3308.00 ft (KB) To 3398.00 ft (KB) (TVD)
Total Depth: 3398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

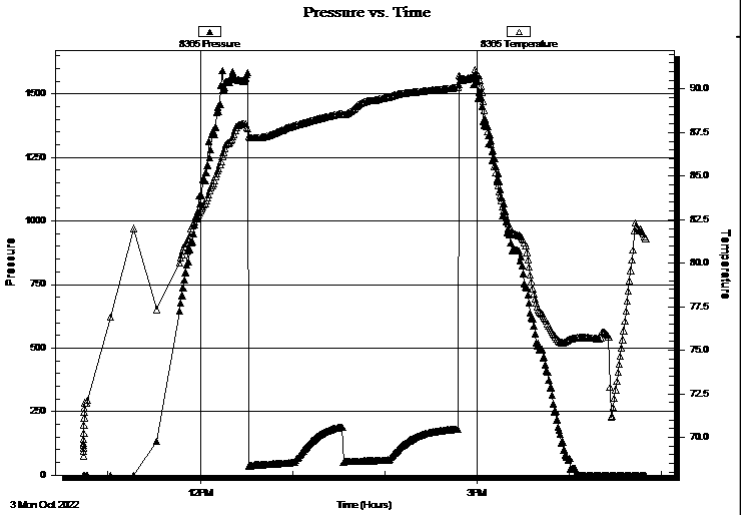
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Outside**

Press@RunDepth: psig @ 3385.00 ft (KB)
Start Date: 2022.10.03 End Date: 2022.10.03
Start Time: 10:44:01 End Time: 16:50:02

Capacity: psig
Last Calib.: 2022.10.03
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Fair Blow , BOB in 27 minutes, Built to 13.18"
ISI: No Blow Back
FF: Fair Blow , BOB in 28 minutes, Built to 12.72
FSI: No Blow Back



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
90.00	SOSM 1%O 99%M	0.99

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69553 **DST#: 2**

Test Start: 2022.10.03 @ 10:44:00

Tool Information

Drill Pipe:	Length:	3282.00 ft	Diameter:	3.80 inches	Volume:	46.04 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		25000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		50000.00 lb
					Total Volume:	46.19 bbl	Tool Chased		5.00 ft
Drill Pipe Above KB:		28.00 ft					String Weight:	Initial	45000.00 lb
Depth to Top Packer:		3308.00 ft						Final	46000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		90.00 ft							
Tool Length:		114.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3289.00		
Hydraulic tool	5.00			3294.00		
EM Tool	3.00			3297.00		
Safety Joint	2.00			3299.00		
Packer	5.00			3304.00	24.00	Bottom Of Top Packer
Packer	4.00			3308.00		
Stubb	1.00			3309.00		
Perforations	5.00			3314.00		
Change Over Sub	1.00			3315.00		
Drill Pipe	64.00			3379.00		
Change Over Sub	1.00			3380.00		
Handling Sub	5.00			3385.00		
Recorder	0.00	6752	Inside	3385.00		
Recorder	0.00	8365	Outside	3385.00		
perforations	10.00			3395.00		
Bullnose	3.00			3398.00	90.00	Bottom Packers & Anchor
Total Tool Length:	**114.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69553 **DST#: 2**

Test Start: 2022.10.03 @ 10:44:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	10.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.78 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	4400.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

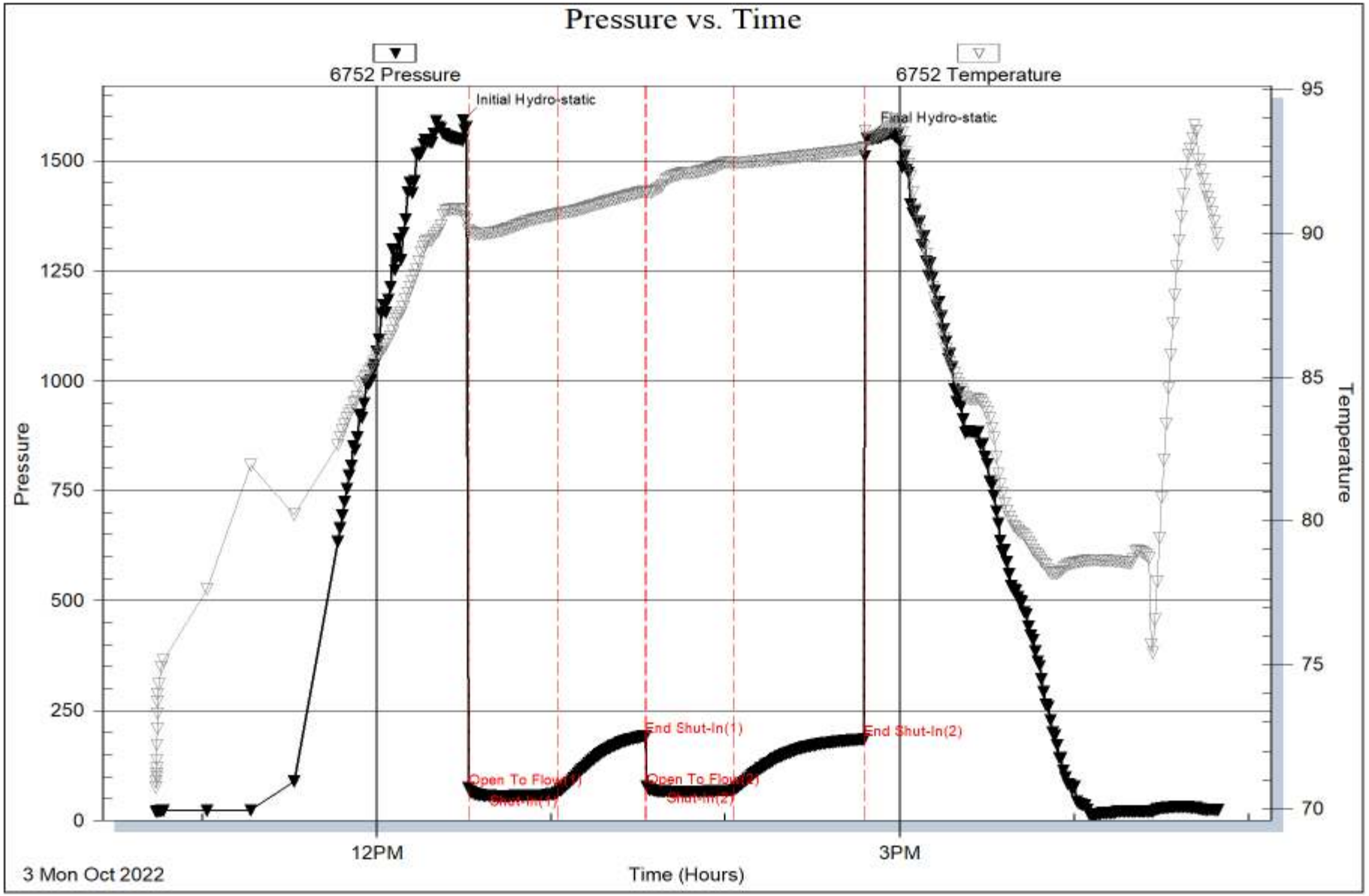
Recovery Table

Length ft	Description	Volume bbl
90.00	SOSM 1%O 99%M	0.989

Total Length: 90.00 ft Total Volume: 0.989 bbl

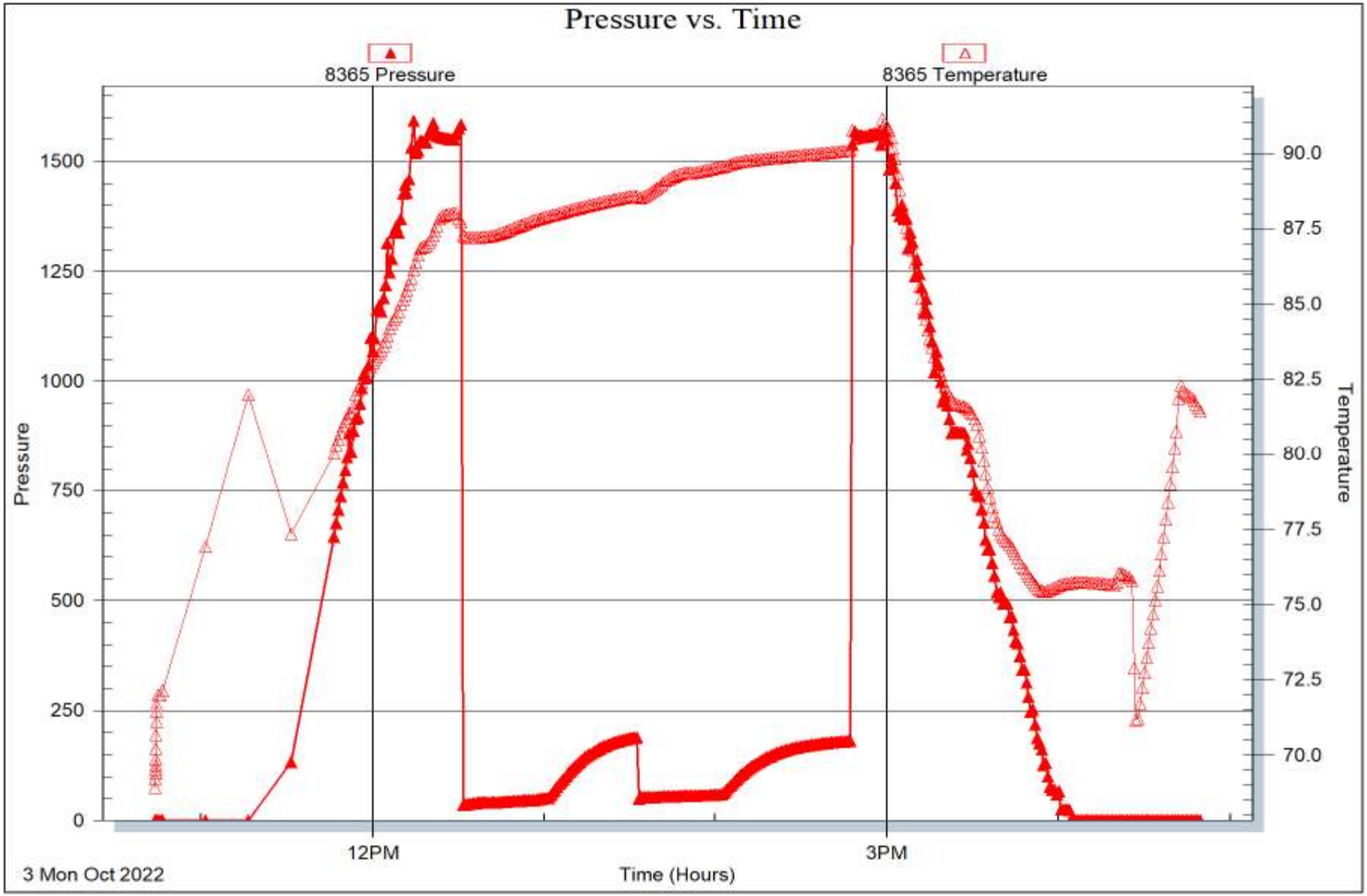
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 6752 **Inside** John O Farmer Inc Schmidt B 1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 69553 Printed: 2022.10.07 @ 10:46:19

Serial #: 8365 **Outside** John O Farmer Inc Schmidt B 1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 69553 Printed: 2022.10.07 @ 10:46:19

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

Schmidt B 1

34-12S-17W Ellis

Start Date: 2022.10.04 @ 09:35:08
End Date: 2022.10.04 @ 15:39:09
Job Ticket #: 69554 DST #: 3

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

Printed: 2022.10.07 @ 10:28:53

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69554 **DST#: 3**

Test Start: 2022.10.04 @ 09:35:08

GENERAL INFORMATION:

Formation: **Lower Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:49:39
Time Test Ended: 15:39:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3420.00 ft (KB) To 3530.00 ft (KB) (TVD)
Total Depth: 3398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

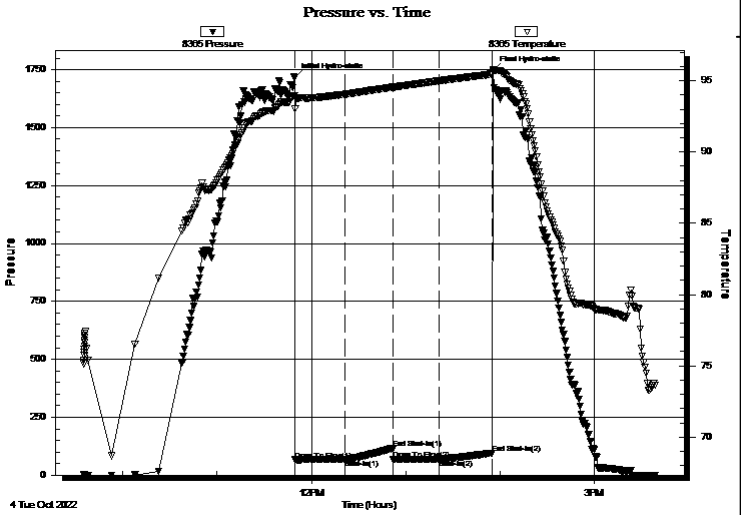
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365

Press@RunDepth: 69.51 psig @ ft (KB)
Start Date: 2022.10.04 End Date: 2022.10.04
Start Time: 09:35:08 End Time: 15:39:09

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.10.04 @ 11:49:24
Time Off Btm: 2022.10.04 @ 13:55:39

TEST COMMENT: IF 30- w eak blow built to 1.25"
ISI 30 no blow
FF 30- no blow
FSI 30 no Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.22	93.94	Initial Hydro-static
1	65.63	93.04	Open To Flow (1)
32	66.86	94.06	Shut-In(1)
63	115.08	94.55	End Shut-In(1)
63	68.44	94.55	Open To Flow (2)
92	69.51	94.99	Shut-In(2)
126	95.15	95.48	End Shut-In(2)
127	1747.07	95.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69554 **DST#: 3**

Test Start: 2022.10.04 @ 09:35:08

GENERAL INFORMATION:

Formation: **Lower Lansing**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:49:39
Time Test Ended: 15:39:09

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3420.00 ft (KB) To 3530.00 ft (KB) (TVD)
Total Depth: 3398.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

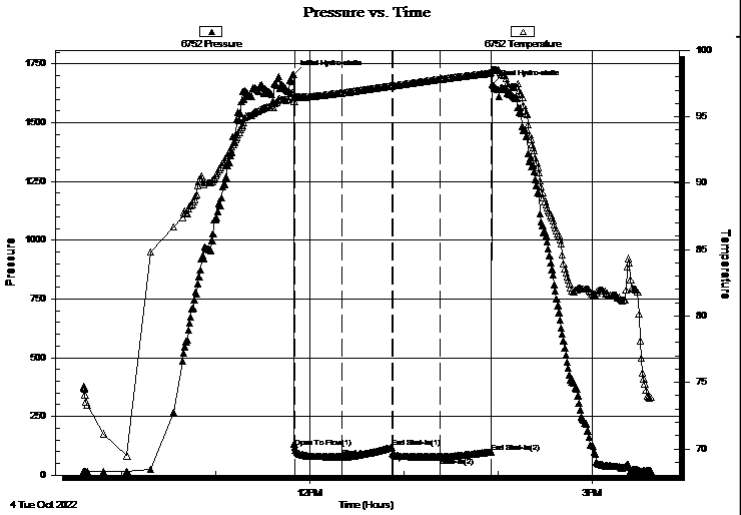
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752

Press@RunDepth: 99.43 psig @ ft (KB)
Start Date: 2022.10.04 End Date: 2022.10.04
Start Time: 09:35:56 End Time: 15:37:57

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.10.04 @ 11:49:57
Time Off Btm: 2022.10.04 @ 13:56:27

TEST COMMENT: IF 30- w eak blow built to 1.25"
ISI 30 no blow
FF 30- no blow
FSI 30 no Blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1705.99	96.79	Initial Hydro-static
1	117.39	96.53	Open To Flow (1)
31	77.85	96.80	Shut-In(1)
63	117.33	97.32	End Shut-In(1)
63	92.46	97.32	Open To Flow (2)
94	77.73	97.83	Shut-In(2)
126	99.43	98.33	End Shut-In(2)
127	1661.05	98.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2.00	Mud	0.01

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69554 **DST#: 3**

Test Start: 2022.10.04 @ 09:35:08

Tool Information

Drill Pipe:	Length:	3382.00 ft	Diameter:	3.80	inches	Volume:	47.44	bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00	inches	Volume:	0.00	bbl	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25	inches	Volume:	0.15	bbl	
						Total Volume:	47.59	bbl	

Drill Pipe Above KB:	16.00 ft
Depth to Top Packer:	3420.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	111.00 ft
Tool Length:	135.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		46000.00 lb
Tool Chased		ft
String Weight:	Initial	45000.00 lb
	Final	46000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3401.00		
Hydraulic tool	5.00			3406.00		
EM Tool	3.00			3409.00		
Safety Joint	2.00			3411.00		
Packer	5.00			3416.00	24.00	Bottom Of Top Packer
Packer	4.00			3420.00		
Stubb	1.00			3421.00		
Perforations	4.00			3425.00		
Change Over Sub	1.00			3426.00		
Drill Pipe	96.00			3522.00		
Change Over Sub	1.00			3523.00		
Handling Sub	5.00			3528.00		
Recorder	0.00	6752	Inside	3528.00		
Recorder	0.00	8365	Outside	3528.00		
Bullnose	3.00			3531.00	111.00	Bottom Packers & Anchor
Total Tool Length:	**135.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69554 **DST#: 3**

Test Start: 2022.10.04 @ 09:35:08

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:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

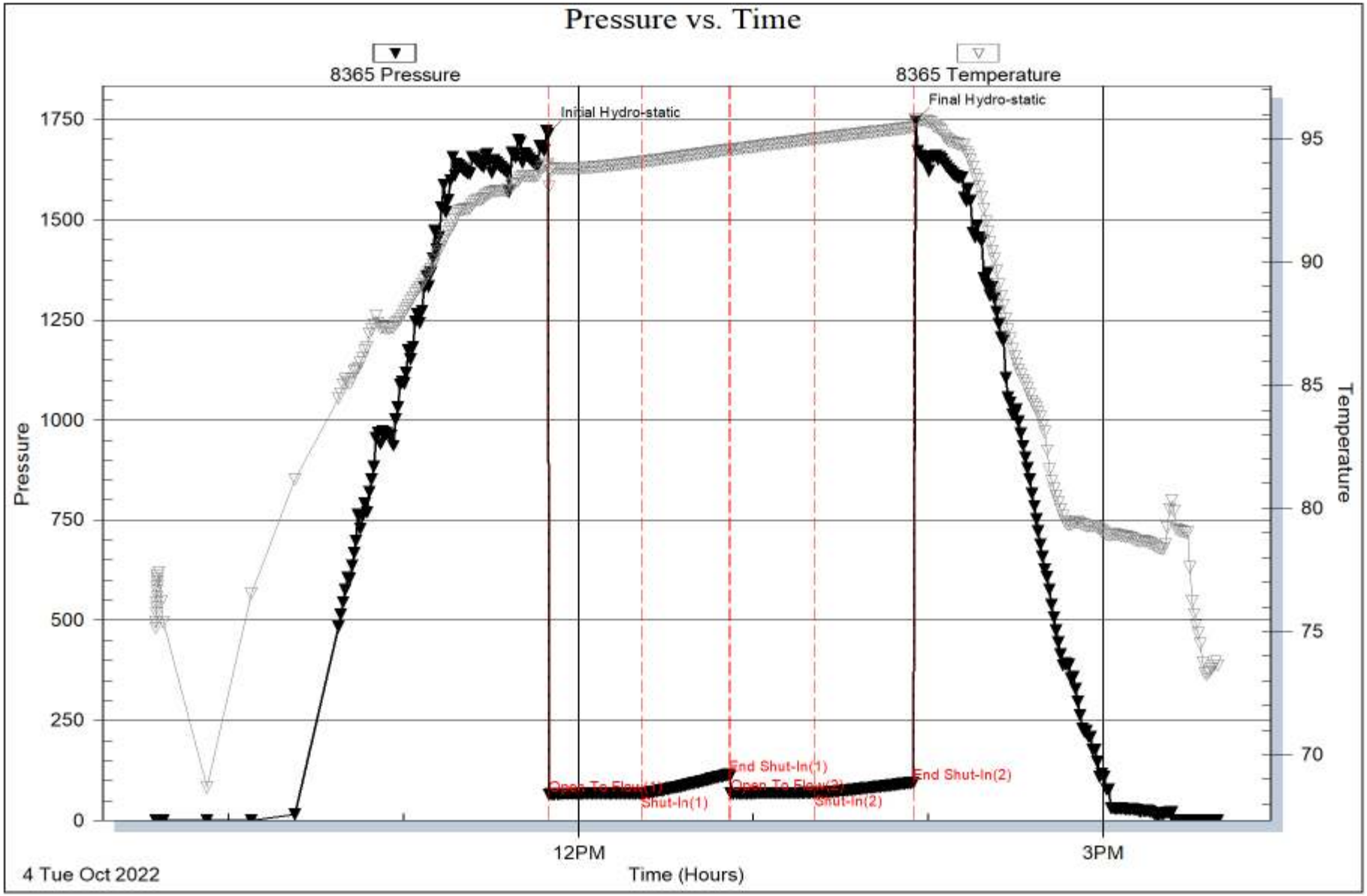
Recovery Table

Length ft	Description	Volume bbl
2.00	Mud	0.010

Total Length: 2.00 ft Total Volume: 0.010 bbl

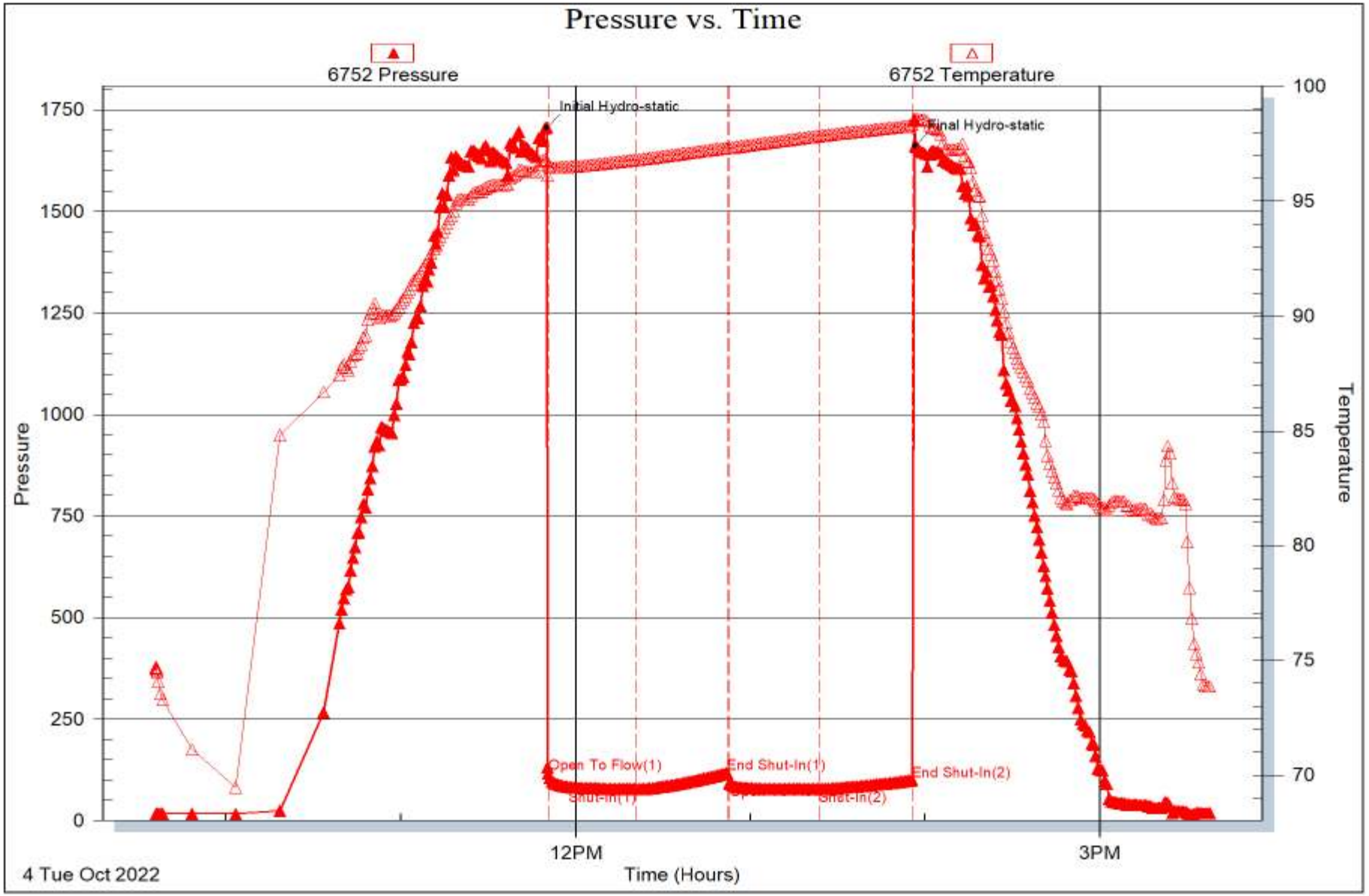
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8365 John O Farmer Inc Schmidt B 1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 69554 Printed: 2022.10.07 @ 10:28:54

Serial #: 6752 John O Farmer Inc Schmidt B 1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 69554 Printed: 2022.10.07 @ 10:28:54

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

Schmidt B 1

34-12S-17W Ellis

Start Date: 2022.10.05 @ 13:28:31
End Date: 2022.10.05 @ 20:06:33
Job Ticket #: 69555 DST #: 4

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

Printed: 2022.10.07 @ 10:27:53

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69555 **DST#: 4**

Test Start: 2022.10.05 @ 13:28:31

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:30:18
Time Test Ended: 20:06:33

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3534.00 ft (KB) To 3580.00 ft (KB) (TVD)
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

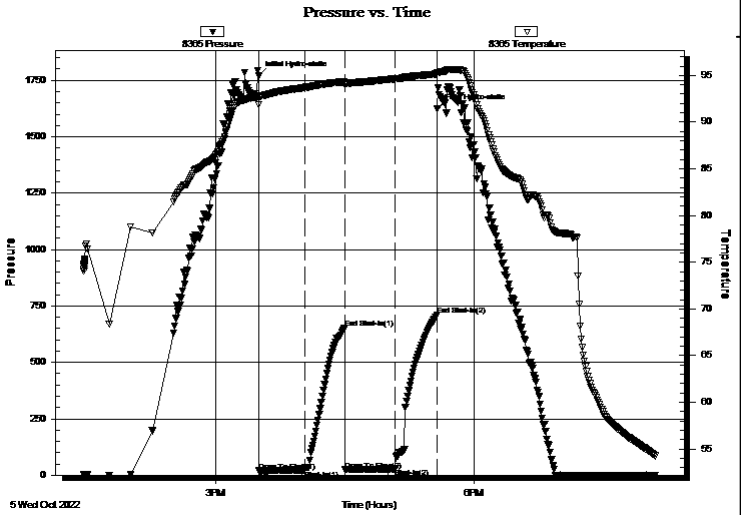
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Outside**

Press@RunDepth: 30.63 psig @ 3572.00 ft (KB)
Start Date: 2022.10.05 End Date: 2022.10.05
Start Time: 13:28:32 End Time: 20:06:33

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.10.05 @ 15:30:03
Time Off Btm: 2022.10.05 @ 17:34:33

TEST COMMENT: IF 30 weak blow built to 3/4"
ISI 30 no blow
FF 30 no blow
FSI 30 no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.39	92.81	Initial Hydro-static
1	18.46	91.90	Open To Flow (1)
32	23.01	93.71	Shut-In(1)
60	651.48	94.30	End Shut-In(1)
60	23.32	94.04	Open To Flow (2)
96	30.63	94.64	Shut-In(2)
124	708.45	95.17	End Shut-In(2)
125	1623.91	95.28	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SI OSM 1%O 88%M	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69555 **DST#: 4**

Test Start: 2022.10.05 @ 13:28:31

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:30:18
Time Test Ended: 20:06:33

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3534.00 ft (KB) To 3580.00 ft (KB) (TVD)
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

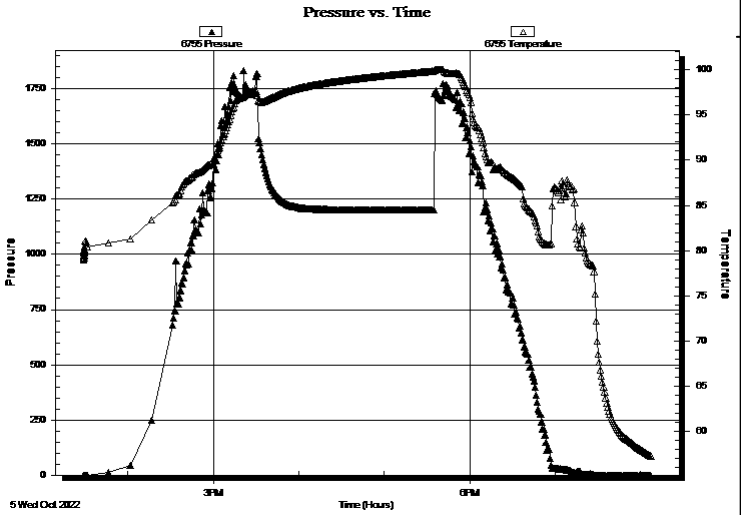
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6755 **Below (Straddle)**

Press@RunDepth: psig @ 3584.00 ft (KB)
Start Date: 2022.10.05 End Date: 2022.10.05
Start Time: 13:29:06 End Time: 20:07:07

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF 30 weak blow built to 3/4"
ISI 30 no blow
FF 30 no blow
FSI 30 no blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SI OSM 1%O 88%M	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69555 **DST#: 4**

Test Start: 2022.10.05 @ 13:28:31

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:30:18
Time Test Ended: 20:06:33

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3534.00 ft (KB) To 3580.00 ft (KB) (TVD)
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

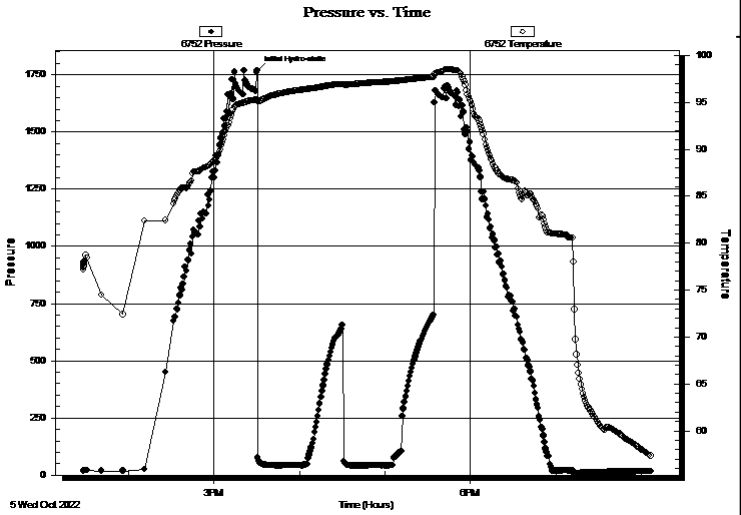
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: psig @ 3572.00 ft (KB)
Start Date: 2022.10.05 End Date: 2022.10.05
Start Time: 13:28:42 End Time: 20:06:43

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.10.05 @ 15:30:28
Time Off Btm:

TEST COMMENT: IF 30 weak blow built to 3/4"
ISI 30 no blow
FF 30 no blow
FSI 30 no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.49	95.33	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	SI OSM 1%O 88%M	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69555 **DST#: 4**

Test Start: 2022.10.05 @ 13:28:31

Tool Information

Drill Pipe:	Length:	3507.00 ft	Diameter:	3.80 inches	Volume:	49.19 bbl	Tool Weight:		2100.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		20000.00 lb
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:		60000.00 lb
					Total Volume:	49.34 bbl	Tool Chased		ft
Drill Pipe Above KB:		32.00 ft					String Weight:	Initial	45000.00 lb
Depth to Top Packer:		3534.00 ft						Final	45000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		127.00 ft							
Tool Length:		156.00 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3510.00		
Hydraulic tool	5.00			3515.00		
Jars	5.00			3520.00		
EM Tool	3.00			3523.00		
Safety Joint	2.00			3525.00		
Packer	5.00			3530.00	29.00	Bottom Of Top Packer
Packer	4.00			3534.00		
Stubb	1.00			3535.00		
Perforations	4.00			3539.00		
Change Over Sub	1.00			3540.00		
Drill Pipe	31.00			3571.00		
Change Over Sub	1.00			3572.00		
Recorder	0.00	6752	Inside	3572.00		
Recorder	0.00	8365	Outside	3572.00		
Blank Off Sub	1.00			3573.00		
Blank Spacing	3.00			3576.00	127.00	Tool Interval
Packer	3.00			3579.00		
Change Over Sub	1.00			3580.00		
Perforations	4.00			3584.00		
Recorder	0.00	6755	Below	3584.00		
Drill Pipe	63.00			3647.00		
Change Over Sub	1.00			3648.00		
Perforations	10.00			3658.00		
Bullnose	3.00			3661.00	1000155.00	Bottom Packers & Anchor
Total Tool Length:	**156.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69555 **DST#: 4**

Test Start: 2022.10.05 @ 13:28:31

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:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	5.39 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

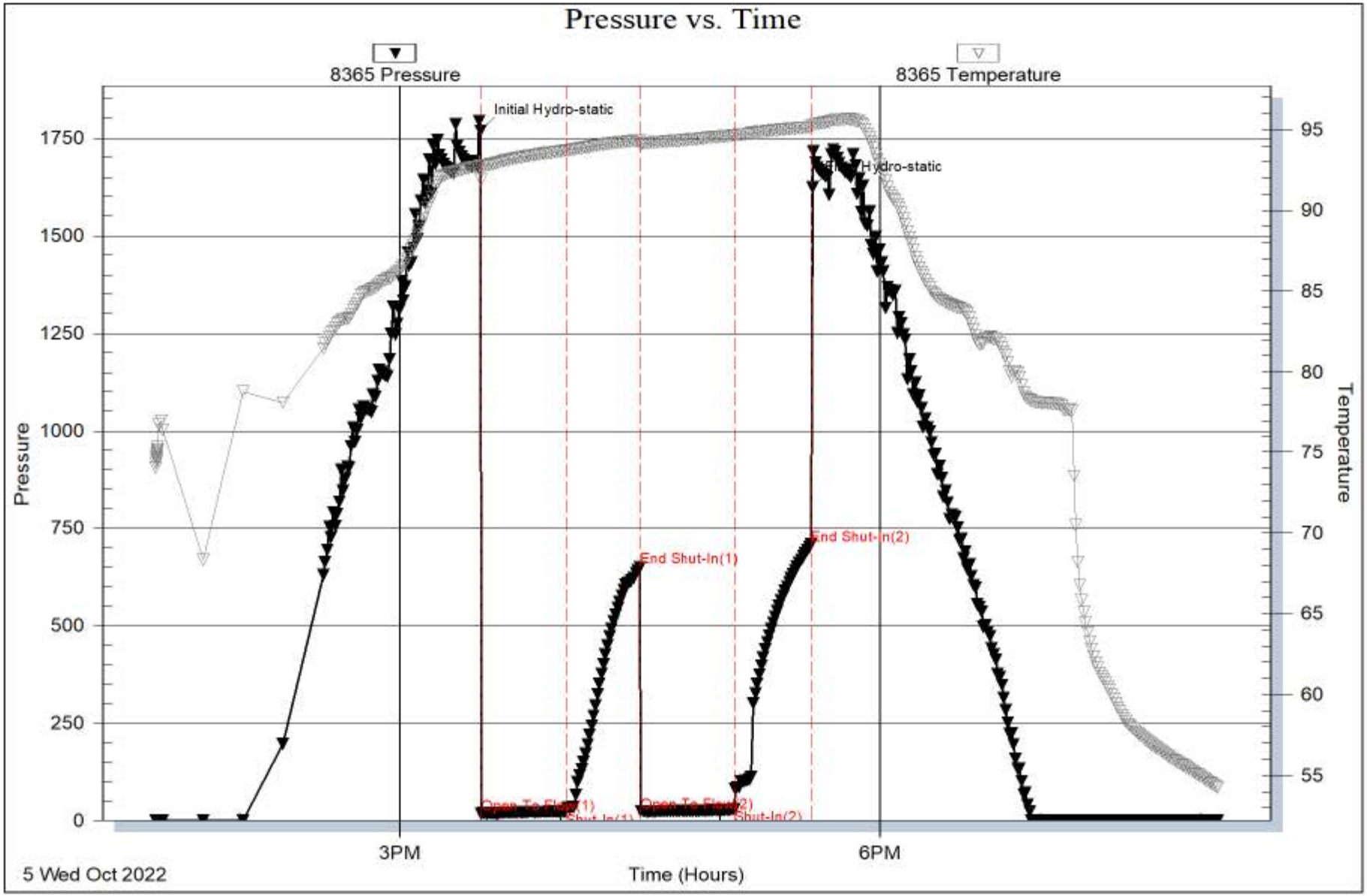
Recovery Table

Length ft	Description	Volume bbl
5.00	Sl OSM 1%O 88%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

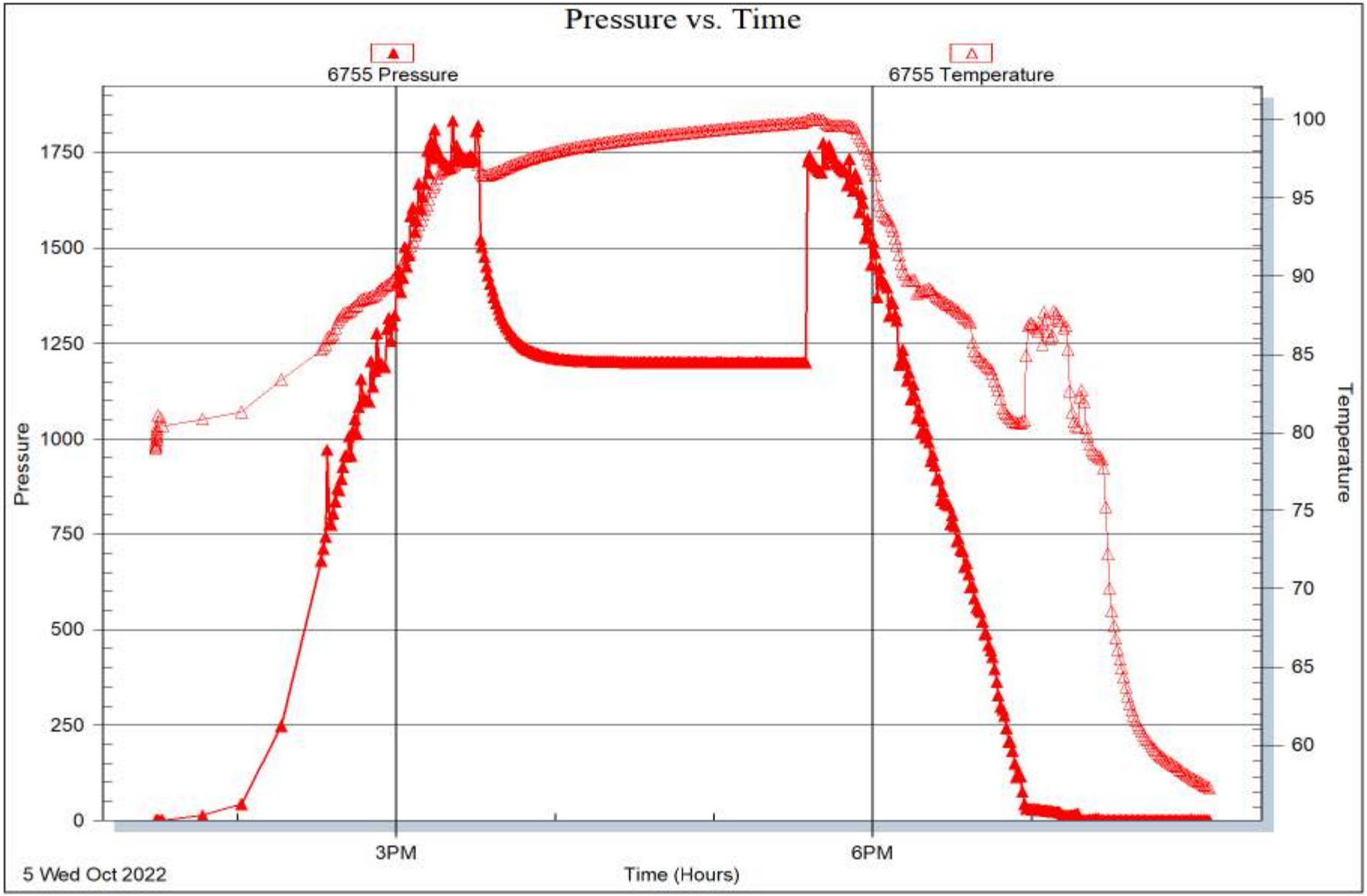
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8365 **Outside** John O Farmer Inc Schmidt B 1 DST Test Number: 4



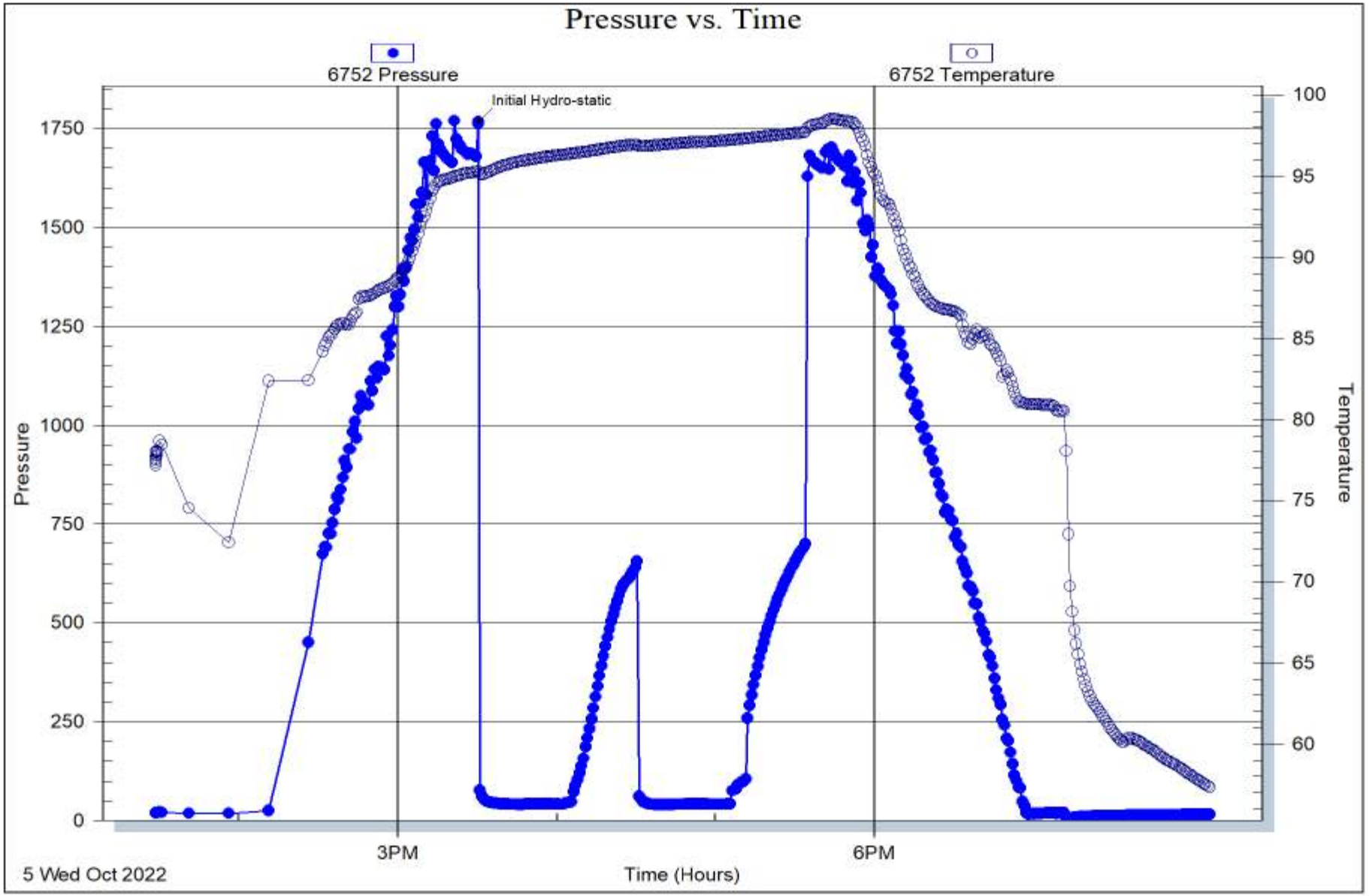
Trilobite Testing, Inc Ref. No: 69555 Printed: 2022.10.07 @ 10:27:55

Serial #: 6755 Below (Straddle) Farmer Inc Schmidt B 1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 69555 Printed: 2022.10.07 @ 10:27:55

Serial #: 6752 **Inside** John O Farmer Inc Schmidt B 1 DST Test Number: 4



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TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **John O Farmer Inc**

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

Schmidt B 1

34-12S-17W Ellis

Start Date: 2022.10.05 @ 20:31:52

End Date: 2022.10.06 @ 02:29:54

Job Ticket #: 69556 DST #: 5

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2022.10.07 @ 10:26:47

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69556 **DST#: 5**

Test Start: 2022.10.05 @ 20:31:52

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:39:09
Time Test Ended: 02:29:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3580.00 ft (KB) To 3600.00 ft (KB) (TVD)
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

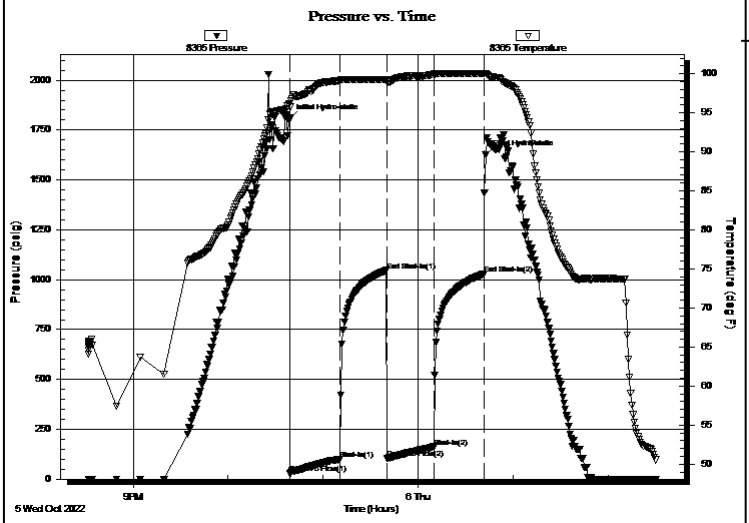
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8365 **Outside**

Press@RunDepth: 161.95 psig @ 3618.00 ft (KB)
Start Date: 2022.10.05 End Date: 2022.10.06
Start Time: 20:31:53 End Time: 02:29:54

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm: 2022.10.05 @ 22:38:39
Time Off Btm: 2022.10.06 @ 00:42:39

TEST COMMENT: IF 30 weak blow building to 7.5"
ISI 30 no blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.18	96.19	Initial Hydro-static
1	28.42	95.74	Open To Flow (1)
32	100.55	99.15	Shut-In(1)
62	1046.00	99.23	End Shut-In(1)
62	103.70	99.02	Open To Flow (2)
92	161.95	99.92	Shut-In(2)
123	1028.97	100.03	End Shut-In(2)
124	1626.44	100.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy water 95% W 5%M	1.41
300.00	mud cut water 60%W 40% M	4.21
0.00	oil scum at top of recovery	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69556 **DST#: 5**

Test Start: 2022.10.05 @ 20:31:52

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:39:09
Time Test Ended: 02:29:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

Interval: 3580.00 ft (KB) To 3600.00 ft (KB) (TVD)
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

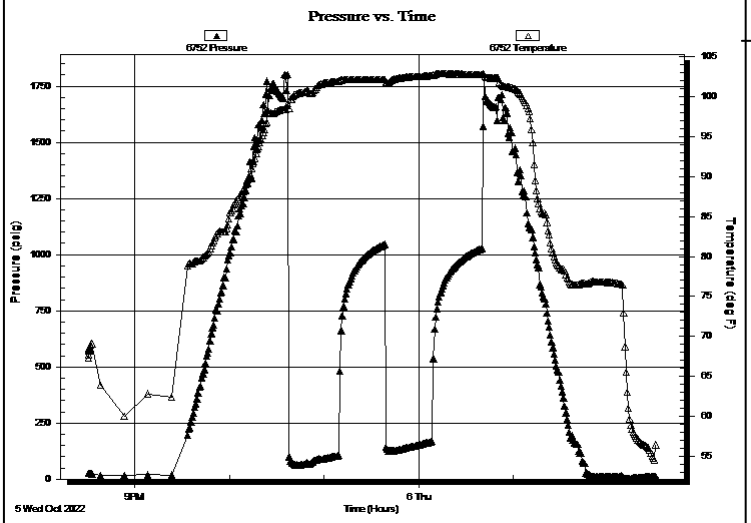
Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6752 **Inside**

Press@RunDepth: psig @ 3618.00 ft (KB)
Start Date: 2022.10.05 End Date: 2022.10.06
Start Time: 20:30:38 End Time: 02:30:39

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF 30 weak blow building to 7.5"
ISI 30 no blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy water 95% W 5%M	1.41
300.00	mud cut water 60%W 40% M	4.21
0.00	oil scum at top of recovery	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69556 **DST#: 5**

Test Start: 2022.10.05 @ 20:31:52

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:39:09
Time Test Ended: 02:29:54

Test Type: Conventional Bottom Hole (Reset)
Tester: Paul Simpson
Unit No: 72

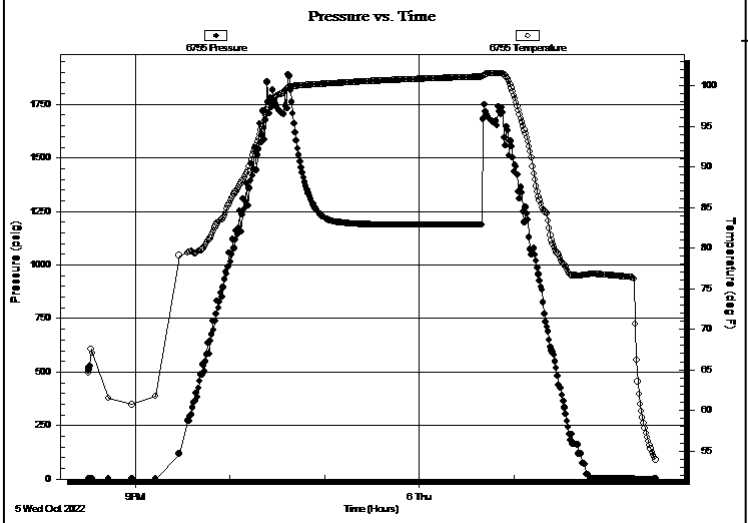
Interval: 3580.00 ft (KB) To 3600.00 ft (KB) (TVD)
Total Depth: 3660.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2044.00 ft (KB)
2036.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6755 **Below (Straddle)**
Press@RunDepth: psig @ 3630.00 ft (KB)
Start Date: 2022.10.05 End Date: 2022.10.06
Start Time: 20:30:06 End Time: 02:30:07

Capacity: psig
Last Calib.: 1899.12.30
Time On Btm:
Time Off Btm:

TEST COMMENT: IF 30 weak blow building to 7.5"
ISI 30 no blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
120.00	Muddy water 95% W 5%M	1.41
300.00	mud cut water 60%W 40% M	4.21
0.00	oil scum at top of recovery	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69556 **DST#: 5**

Test Start: 2022.10.05 @ 20:31:52

Tool Information

Drill Pipe:	Length:	3537.00 ft	Diameter:	3.80 inches	Volume:	49.61 bbl	Tool Weight:	2100.00 lb	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb	
Drill Collar:	Length:	30.00 ft	Diameter:	2.25 inches	Volume:	0.15 bbl	Weight to Pull Loose:	60000.00 lb	
					Total Volume:	49.76 bbl	Tool Chased		ft
Drill Pipe Above KB:		16.00 ft					String Weight:	Initial	45000.00 lb
Depth to Top Packer:		3580.00 ft						Final	46000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		127.00 ft							
Tool Length:		156.00 ft							
Number of Packers:		3	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool	5.00			3556.00		
Hydraulic tool	5.00			3561.00		
Jars	5.00			3566.00		
EM Tool	3.00			3569.00		
Safety Joint	2.00			3571.00		
Packer	5.00			3576.00	29.00	Bottom Of Top Packer
Packer	4.00			3580.00		
Stubb	1.00			3581.00		
Perforations	4.00			3585.00		
Change Over Sub	1.00			3586.00		
Drill Pipe	31.00			3617.00		
Change Over Sub	1.00			3618.00		
Recorder	0.00	6752	Inside	3618.00		
Recorder	0.00	8365	Outside	3618.00		
Blank Off Sub	1.00			3619.00		
Blank Spacing	3.00			3622.00	127.00	Tool Interval
Packer	3.00			3625.00		
Change Over Sub	1.00			3626.00		
Perforations	4.00			3630.00		
Recorder	0.00	6755	Below	3630.00		
Drill Pipe	63.00			3693.00		
Change Over Sub	1.00			3694.00		
Perforations	10.00			3704.00		
Bullnose	3.00			3707.00	1000155.00	Bottom Packers & Anchor
Total Tool Length:	**156.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

John O Farmer Inc

PO Box 352
Wichita, KS 67665

ATTN: Austin Klaus

34-12S-17W Ellis

Schmidt B 1

Job Ticket: 69556 **DST#: 5**

Test Start: 2022.10.05 @ 20:31:52

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1600.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

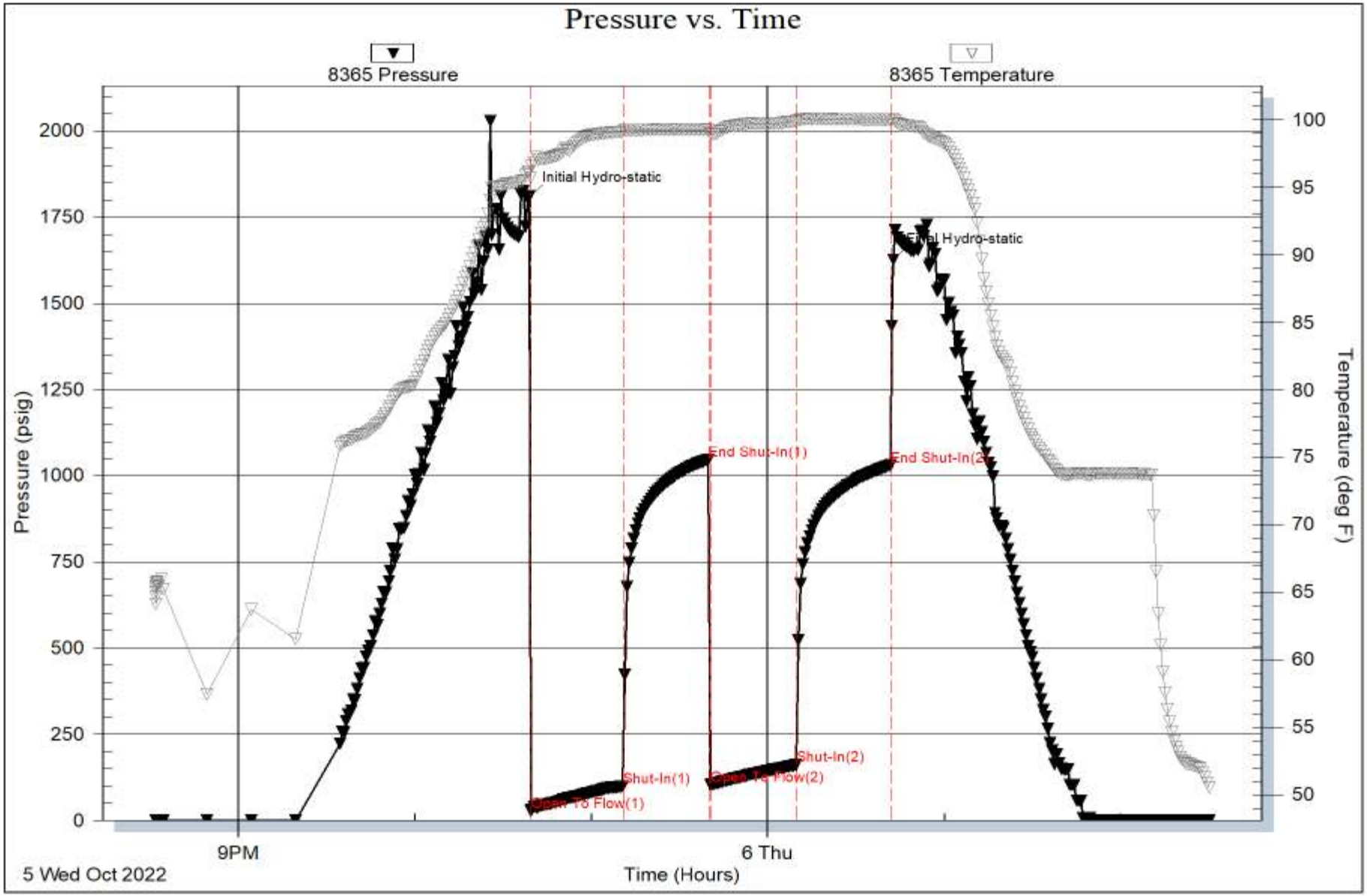
Recovery Table

Length ft	Description	Volume bbl
120.00	Muddy w ater 95% W 5%M	1.410
300.00	mud cut w ater 60%W 40% M	4.208
0.00	oil scum at top of recovery	0.000

Total Length: 420.00 ft Total Volume: 5.618 bbl

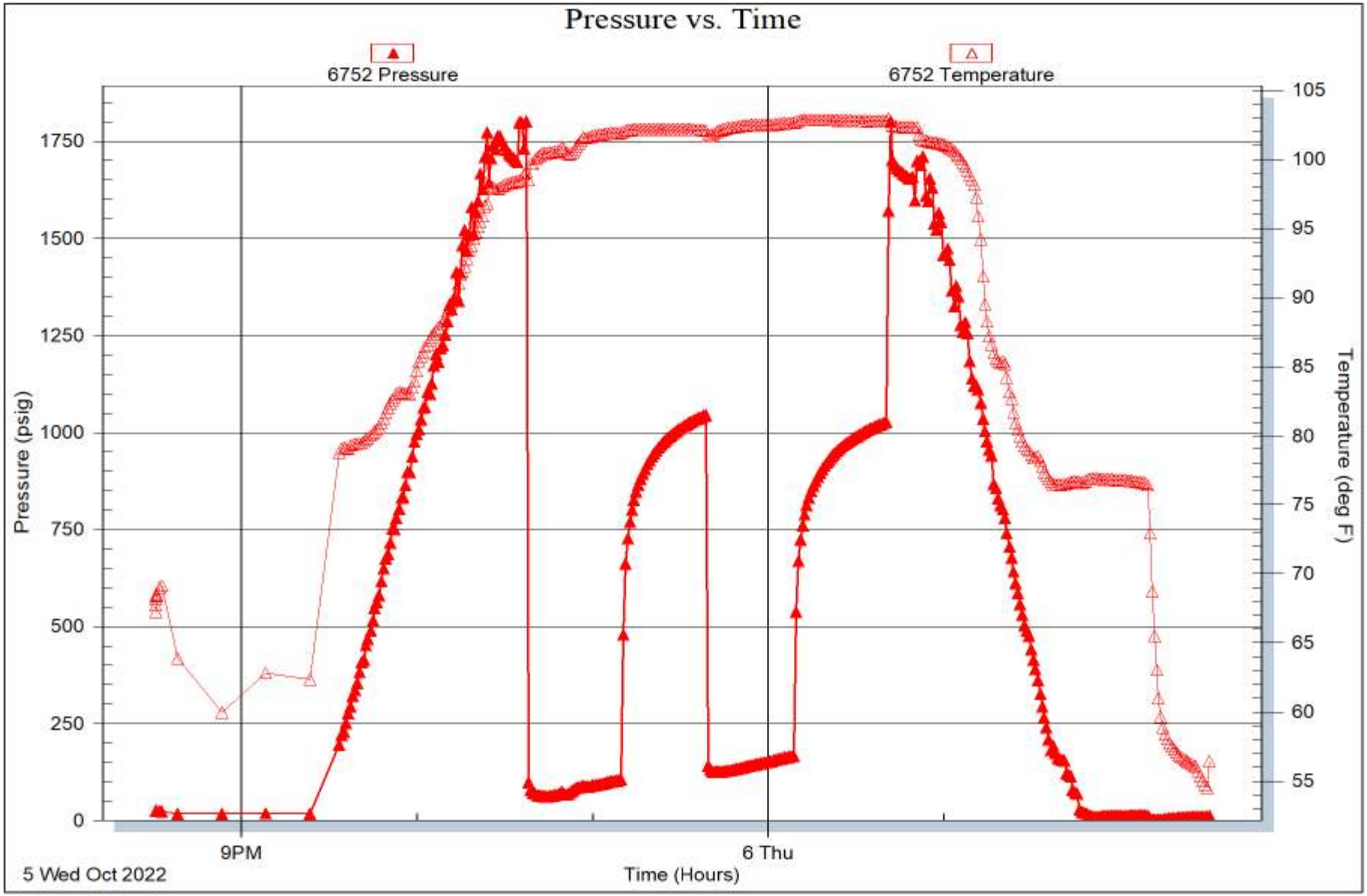
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: Rw .3@ 58

Serial #: 8365 **Outside** John O Farmer Inc Schmidt B 1 DST Test Number: 5



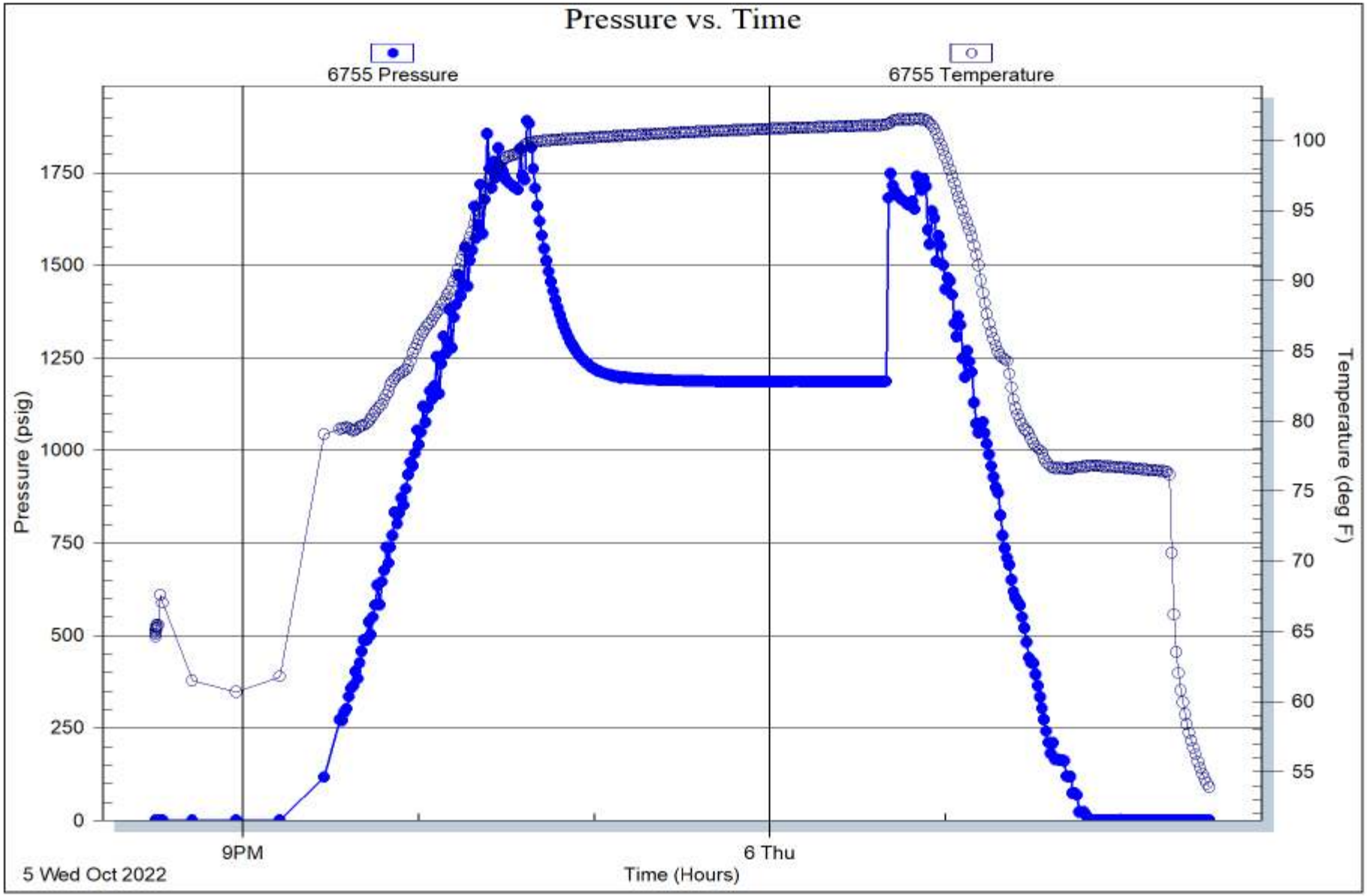
Trilobite Testing, Inc Ref. No: 69556 Printed: 2022.10.07 @ 10:26:49

Serial #: 6752 **Inside** John O Farmer Inc Schmidt B 1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 69556 Printed: 2022.10.07 @ 10:26:50

Serial #: 6755 Below (Straddle) Farmer Inc Schmidt B 1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 69556 Printed: 2022.10.07 @ 10:26:50

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 69552

Well Name & No. Schmidt B 1 Test No. 1 Date 10/02/22

Company John O Farmer Inc Elevation 2044 KB 2036 GL

Address PO Box 352 Wichita, KS 67665

Co. Rep / Geo. Austin Klaus Rig Discovery 4

Location: Sec. 34 Twp 12S Rge. 17W Co. Ellis State

Interval Tested 3282 - 3398 Zone Tested LKC "A-F"

Anchor Length 116 Drill Pipe Run 3250 Mud Wt. 9.7

Top Packer Depth 3277 Drill Collars Run 30 Vis 57

Bottom Packer Depth 3282 Wt. Pipe Run 0 WL 5.4

Total Depth 3398 Chlorides 1600 ppm System LCM 3

Blow Description Tool Slid about 10', stacked out roughly 8" from Bottom. Packer Failure, Pulled Tool

Rec 120	Feet of Mud	%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 120 BHT 96 Gravity N/C API RW N/C @ N/C °F Chlorides N/C ppm

(A) Initial Hydrostatic 1574	☑ Test 1350	T-On Location 23:30
(B) First Initial Flow N/A	☐ Jars	T-Started 00:38
(C) First Final Flow N/A	☐ Safety Joint	T-Open 02:59
(D) Initial Shut-In N/A	☐ Circ Sub	T-Pulled 03:12
(E) Second Initial Flow N/A	☐ Hourly Standby	T-Out 05:10
(F) Second Final Flow N/A	☑ Mileage 20 30	Comments Packer Failure
(G) Final Shut-In ~~1569~~ N/A	☐ Sampler	
(H) Final Hydrostatic 1559	☐ Straddle	☑ EM Tool
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open N/A	☐ Extra Packer	☐ Ruined Packer
Initial Shut-In N/A	☐ Extra Recorder	☐ Extra Copies
Final Flow N/A	☐ Day Standby	Sub Total 0
Final Shut-In N/A	☐ Accessibility	Total 1380
	Sub Total 1380	MP/DST Disc't

Approved By Our Representative

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 69553

Well Name & No. Schmidt B 1 Test No. 2 Date 10/03/22

Company John O Farmer Elevation 2044 KB 2036 GL

Address PO Box 352 Wichita, KS 67665

Co. Rep / Geo. Austin Klaus Rig Discovery 4

Location: Sec. 34 Twp 12S Rge. 17W Co. Ellis State KS

Interval Tested 3308 – 3398 Zone Tested LKC "A-F"

Anchor Length 90 Drill Pipe Run 3282 Mud Wt. 9.5

Top Packer Depth 3303 Drill Collars Run 30 Vis 55

Bottom Packer Depth 3308 Wt. Pipe Run 0 WL 5.8

Total Depth 3398 Chlorides 4400 ppm System LCM 2

Blow Description IF: Fair Blow, BOB in 27 minutes, Built to 13.18"

ISI: No Blow Back

FF: Fair Blow, BOB in 28 minutes, Built to 12.72"

FSI: No Blow Back

Rec 90	Feet of SOSM	%gas 1	%oil	%water 99	%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 90 BHT 94 Gravity NRC API RW NRC @ NRC °F Chlorides NRC ppm

(A) Initial Hydrostatic 1592	☑ Test 1800	T-On Location 05:30	
(B) First Initial Flow 74	☐ Jars	T-Started 10:44	
(C) First Final Flow 63	☐ Safety Joint	T-Open 12:31	
(D) Initial Shut-In 192	☐ Circ Sub	T-Pulled 14:47	
(E) Second Initial Flow 77	☐ Hourly Standby	T-Out 16:50	
(F) Second Final Flow 70	☐ Mileage	Comments Stayed @ Rig	
(G) Final Shut-In 185	☐ Sampler		
(H) Final Hydrostatic 1551	☐ Straddle	☑ EM Tool	
	☐ Shale Packer	☐ Ruined Shale Packer	
Initial Open 30	☐ Extra Packer	☐ Ruined Packer	
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies	
Final Flow 30	☐ Day Standby	Sub Total 0	
Final Shut-In 45	☐ Accessibility	Total 1800	
	Sub Total 1800	MP/DST Disc't	

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

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 69554

Well Name & No. Schmidt #1 Test No. 3 Date 10/4/22

Company John O Farmer Elevation 2044 KB 2038 GL

Address

Co. Rep / Geo. Austin Clay Rig Discovery 4

Location: Sec. 34 Twp 12 Rge. 17 Co. Ellis State Ks

Interval Tested 3420-3530 Zone Tested Lower Lans

Anchor Length 110 Drill Pipe Run 3382 Mud Wt. 9.1

Top Packer Depth 3415 Drill Collars Run Vis 51

Bottom Packer Depth 3420 Wt. Pipe Run WL 5.4

Total Depth 3530 Chlorides ppm System LCM

Blow Description Weak blow built to 1 1/4"

FF: no blow

Rec 2	Feet of mud	%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	1705	DR
(B) First Initial Flow	117	65
(C) First Final Flow	77	62
(D) Initial Shut-In	117	115
(E) Second Initial Flow	92	68
(F) Second Final Flow	77	69
(G) Final Shut-In	99	95
(H) Final Hydrostatic	1661	1743

Initial Open

Initial Shut-In

Final Flow

Final Shut-In

- ☐ Test 1800
- ☐ Jars
- ☐ Safety Joint
- ☐ Circ Sub
- ☐ Hourly Standby
- ☐ Mileage 22 20rt 30
- ☐ Sampler
- ☐ Straddle
- ☐ Shale Packer
- ☐ Extra Packer
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 1830

T-On Location

T-Started 0935

T-Open 1150

T-Pulled 1550

T-Out

Comments

- ☐ EM Tool
- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 1830

MP/DST Disc't

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 69555

Well Name & No. Schmidt B #1 Test No. 4 Date 10-5-2022

Company John O Farmer Elevation 2044 KB 2036 GL

Address

Co. Rep / Geo. Austin Klaus Rig Discovery #4

Location: Sec. 34 Twp 12S Rge. 17W Co. Ellis State KS

Interval Tested 3534 -3580 Zone Tested Arb

Anchor Length 46 Drill Pipe Run 3502 Mud Wt. 9.3

Top Packer Depth 3529 -3534 Drill Collars Run 30 Vis 49

Bottom Packer Depth 3580 Wt. Pipe Run WL 6.8

Total Depth 3660 Chlorides ppm System LCM

Blow Description IF- weak blow built to 3/4

Rec 5 Feet of OSM %gas 1 %oil %water 99 %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 5 BHT 94 Gravity API RW @ °F Chlorides ppm

(A) Initial Hydrostatic 1769

(B) First Initial Flow 18

(C) First Final Flow 23

(D) Initial Shut-In 651

(E) Second Initial Flow 23

(F) Second Final Flow 31

(G) Final Shut-In 708

(H) Final Hydrostatic 1623

Initial Open 30

Initial Shut-In 30

Final Flow 30

Final Shut-In 30

- ☐ Test 1800
- ☐ Jars
- ☐ Safety Joint
- ☐ Circ Sub
- ☐ Hourly Standby
- ☐ Mileage 1 1 X2 20rt 30
- ☐ Sampler
- ☐ Straddle 600
- ☐ Shale Packer
- ☒ Extra Packer 200
- ☐ Extra Recorder
- ☐ Day Standby
- ☐ Accessibility

Sub Total 2630

T-On Location 1300

T-Started 1

T-Open 1531

T-Pulled 1731

T-Out

Comments

- ☐ EM Tool
- ☐ Ruined Shale Packer
- ☐ Ruined Packer
- ☐ Extra Copies

Sub Total 0

Total 2630

MP/DST Disc't

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 69556

Well Name & No. Schmidt B #1 Test No. 5 Date 10/5/2022

Company John O Farmer Elevation 2044 KB 2036 GL

Address

Co. Rep / Geo. Austin Klaus Rig Discovery 4

Location: Sec. 34 Twp 12s Rge. 17 W Co. Ellis State

Interval Tested 3580 - 3600 Zone Tested A-3

Anchor Length 20 Drill Pipe Run Mud Wt.

Top Packer Depth 3575 - 3580 Drill Collars Run 30 Vis

Bottom Packer Depth 3580 Wt. Pipe Run WL

Total Depth 3660 Chlorides ppm System LCM

Blow Description blow built to 7.5"

ISI - no blow

FF - blow built to 6.5

Rec 200	Feet of MCW	%gas	%oil 60	%water 40	%mud
Rec 120	Feet of muddy water	%gas	%oil 95	%water 5	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 320 BHT Gravity API RW .3 @ 58 °F Chlorides 28,000 ppm

(A) Initial Hydrostatic 1811	☑ Test 1800	T-On Location
(B) First Initial Flow 28	☐ Jars	T-Started 2030
(C) First Final Flow 101	☐ Safety Joint	T-Open 2237
(D) Initial Shut-In 1046	☐ Circ Sub	T-Pulled 0037
(E) Second Initial Flow 104	☐ Hourly Standby	T-Out 0229
(F) Second Final Flow 162	☐ Mileage —	Comments
(G) Final Shut-In 1029	☐ Sampler	
(H) Final Hydrostatic 1626	☐ Straddle X 600	☐ EM Tool -175
	☐ Shale Packer	☐ Ruined Shale Packer
Initial Open 30	☐ Extra Packer X ruined	☐ Ruined Packer 460
Initial Shut-In 30	☐ Extra Recorder	☐ Extra Copies
Final Flow 30	☐ Day Standby	Sub Total 460 - 175
Final Shut-In 30	☐ Accessibility	Total 2685
	Sub Total 2400	MP/DST Disc't

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