KOLAR Document ID: 1548325

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 # 33933
Name: Anchor Bay Petroleum LLC
Address 1: 1952 VICTORIA RD
Address 2:
City: HAYS State: KS Zip: 67601 + 9347
Contact Person: Ed Glassman
Phone: (785) 259-5807
CONTRACTOR: License # 34743
Name: White Knight Drilling LLC
Wellsite Geologist: Ed Glassman
Purchaser: Coffeyville

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 #:

11/13/2020 Spud Date or Recompletion Date
11/21/2020 Date Reached TD
12/14/2020 Completion Date or Recompletion Date

API No.: 15-051-26992-00-00
Spot Description:
SW - NE - SE - SE Sec. 3 Twp. 11 S. R. 17 ☐ East ☑ West
710 Feet from ☐ North / ☑ South Line of Section
335 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: SIMPSON Well #: 1
Field Name: Unknown
Producing Formation: Arbuckle
Elevation: Ground: 1862 Kelly Bushing: 1867
Total Vertical Depth: 3555 Plug Back Total Depth: 3507
Amount of Surface Pipe Set and Cemented at: 213 Feet
Multiple Stage Cementing Collar Used? ☑ Yes ☐ No
If yes, show depth set: 1077 Feet
If Alternate II completion, cement circulated from: 000
feet depth to: 1077 w/ 180 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 9100 ppm Fluid volume: 560 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: American Tank Service
Lease Name: Chrisler License #: 1544
Quarter SW Sec. 11 Twp. 11 S. R. 18 ☐ East ☑ West
County: Ellis Permit #: D22,280

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

Submitted Electronically

KCC Office Use ONLY
☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received** ☑ **Drill Stem Tests Received**
☑ **Geologist Report / Mud Logs Received**
☐ **UIC Distribution**
ALT ☐ **I** ☑ **II** ☐ **III** **Approved by:** Karen Ritter **Date:** 02/03/2021

Page Two

Operator Name: Anchor Bay Petroleum LLC Lease Name: SIMPSON Well #: 1

Sec. 3 Twp. 11 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:

Dual Induction
Density-Neutron
Micro

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

Name	Top	Datum
Stone Corral	1071	796
Topeka	2796	-929
Heebner	3023	-1156
Lansing	3067	-1200
BKC	3308	-1441
Conglomerate	3334	-1467
Arbuckle	3427	-1560

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	20	213	80/20	150	3%cc, 2%gel
Production	7.875	5.5	15	3553	Common	140	10%salt,5%gil

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☑ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
000-1077	QMDC	180	
-	1/4# floseal		

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: 01/06/2021

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	122		30		26

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*

PRODUCTION INTERVAL:

Top	Bottom
3429	3430

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)*
4	3429	3430			None-Natural

TUBING RECORD: Size: 2.875 Set At: 3496 Packer At:

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

Form	ACO1 - Well Completion
Operator	Anchor Bay Petroleum LLC
Well Name	SIMPSON 1
Doc ID	1548325

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	20	213	80/20	150	3%cc, 2%gel
Production	7.875	5.5	15	3553	Common	140	10%salt,5 %gil

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-1071
Cell 785-324-1041

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

No. 2132

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-13-20	3	11	17	Ellis	KS		6:45p.m.

Location Cadilla River Road 1W 1/4W Into

Lease Simpsson Well No. 1

Owner

Contractor White Knight

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.

Type Job Surface

Hole Size 12¼ T.D. 215

Charge To Anchor Bay

Csg. 8 5/8 Depth 213

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. 10' Shoe Joint

Cement Amount Ordered 150 8%20 3%cc 2%gel

Meas Line Displace 13BL

EQUIPMENT

Pumptrk 5	No.	Cementer	Craig
		Helper	
Bulktrk	No.	Driver	Nick
		Driver	
Bulktrk 15	No.	Driver	Tony
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

8 5/8 on bottom. Est. Circulation. Mix 150sk & Displace Cement Circulated

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 8 5/8 Swage

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	17
Tax	
Discount	
Total Charge	

X Signature Terry Austin

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. 2079
Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11/21/2020	3	11	17	Ellis	Kansas		6:00pm

Location Codell Rd + River Rd 1N 1/4W Ninto

Lease Simpson Well No. 1

Contractor White Knight

Type Job production String 3555'

Hole Size 7 7/8 T.D.

Csg. 5 1/2 Depth 3565-31

Tbg. Size Depth

Tool Depth

Cement Left in Csg. 43.51 Shoe Joint 43.51

Meas Line Displace 83 3/4

EQUIPMENT

Pumptrk 16 No. Cementer Helper Tim

Bulktrk 9 No. Driver Driver Doug

Bulktrk PU No. Driver Driver David

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sks

Mouse Hole

Centralizers Joint # 1, 4, 10, 16, 60

Baskets Joint # 4, 58

D/V or Port Collar Joint # 59 set at 1088'

Ran 5 1/2 Casing and est. Circulation
Cassing set at 3553
Pumped 20 bbl water then
500 gal mud clear
Cemented Cassing with 140sks
Lift presser @ 700psi
Landed plug @ 1500psi

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 Anchor Bay

Street

City State

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

Cement Amount Ordered 170 com 10% salt + 5% gilsonite
500 gal mud clear

Common 170

Poz. Mix

Gel.

Calcium

Hulls

Salt 13

Flowseal

Kol-Seal 700#

Mud CLR 48 500 gal

CFL-117 or CD110 CAF 38

Sand

Handling 190

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer 5

Baskets 2

AFU Inserts

Float Shoe 1

Latch Down 1

Pumptrk Charge prod String

Mileage 27

Tax

Discount

Total Charge

X Signature E Glanmen

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. 2087

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12/11/2020	3	11	17	Ellis	Kansas		10:15am

Location Codell & River Rd 1N 1/4 W Into

Lease Simpson Well No. 1

Contractor Outlaw Well Serv.

Type Job port Collar

Hole Size T.D.

Csg. 5 1/2 Depth

Tbg. Size 2 7/8 Depth 1077

Tool Dans Packer Depth

Cement Left in Csg. Shoe Joint

Meas Line Displace 5

EQUIPMENT

Pumptrk 5 No. Cementer / Helper Tim

Bulktrk 15 No. Driver / Driver Tom

Bulktrk P.U. No. Driver / Driver David

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar 1077

Tested Tool to 800 PSI
opened tool and cemented with
180 sks and displaced 5 bbl
Closed tool and tested to 800 PSI

Ran 5 Joints and washed clean

Cement Did Circulate

Thanks

X Signature Ryan Norman

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

Street Anchor Bay Petroleum

City State

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

Cement Amount Ordered 200 80/20 QMDC 1/4 Flow

used 180 sks

Common 80/20 QMDC

Poz. Mix

Gel.

Calcium

Hulls

Salt

Flowseal

Kol-Seal 50#

Mud CLR 48

CFL-117 or CD110 CAF 38

Sand

Handling 200

Mileage

FLOAT EQUIPMENT

Guide Shoe

Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

Pumptrk Charge port collar Job

Mileage 22

Tax

Discount

Total Charge

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67416 **DST#: 1**

Test Start: 2020.11.17 @ 08:32:00

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:49:45
Time Test Ended: 13:54:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 2946.00 ft (KB) To 2995.00 ft (KB) (TVD)
Total Depth: 2995.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

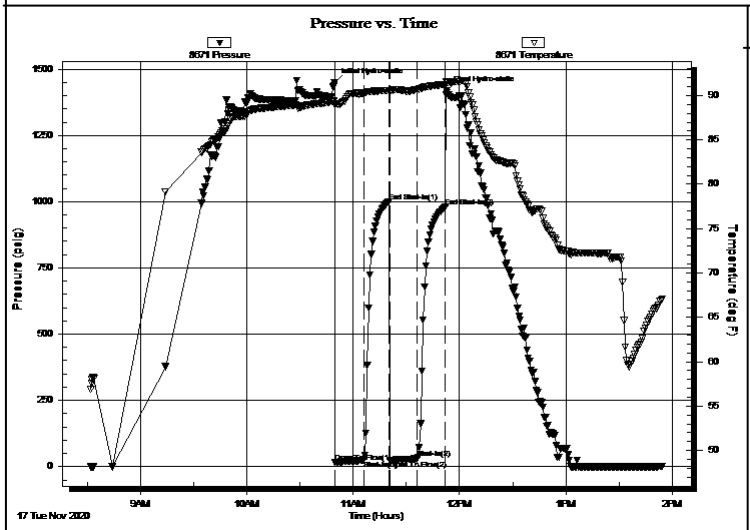
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 30.23 psig @ 2947.00 ft (KB)
Start Date: 2020.11.17 End Date: 2020.11.17
Start Time: 08:32:05 End Time: 13:54:29

Capacity: 8000.00 psig
Last Calib.: 2020.11.17
Time On Btm: 2020.11.17 @ 10:49:30
Time Off Btm: 2020.11.17 @ 11:52:45

TEST COMMENT: 15 - IF - Blow startd at a w eak blow and built up to 1/2"
15 - ISI - No Return
15 - FF - Blow stared at a w eak blow and bilt up to 1/2"
15 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1449.17	89.38	Initial Hydro-static
1	15.94	88.97	Open To Flow (1)
17	23.09	90.28	Shut-In(1)
31	1000.59	90.59	End Shut-In(1)
32	24.51	90.39	Open To Flow (2)
47	30.23	90.69	Shut-In(2)
63	980.32	91.26	End Shut-In(2)
64	1419.92	91.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM - 2%o - 98%m	0.31

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67416 **DST#: 1**

Test Start: 2020.11.17 @ 08:32:00

GENERAL INFORMATION:

Formation: **LKC**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:49:45
Time Test Ended: 13:54:30

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 2946.00 ft (KB) To 2995.00 ft (KB) (TVD)
Total Depth: 2995.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

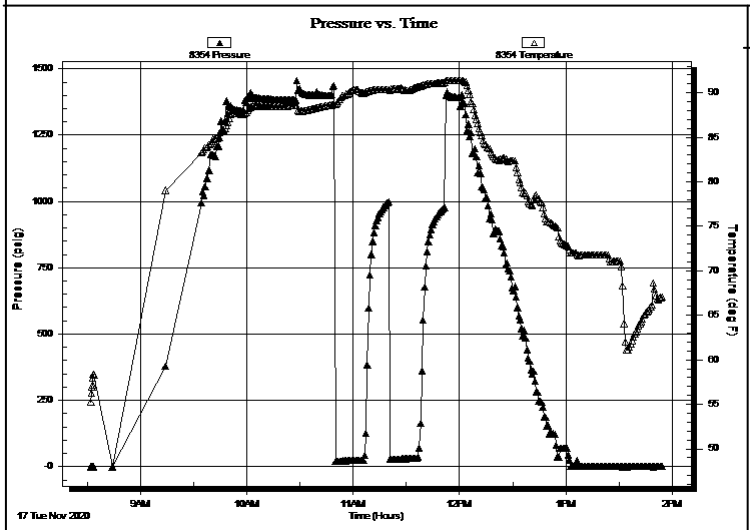
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 2947.00 ft (KB)
Start Date: 2020.11.17 End Date: 2020.11.17
Start Time: 08:32:05 End Time: 13:54:29

Capacity: 8000.00 psig
Last Calib.: 2020.11.17
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Blow startd at a w eak blow and built up to 1/2"
15 - ISI - No Return
15 - FF - Blow stared at a w eak blow and bilt up to 1/2"
15 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	OCM - 2%o - 98%m	0.31

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67416 **DST#: 1**

Test Start: 2020.11.17 @ 08:32:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.00 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	8000.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	OCM - 2%o - 98%m	0.308

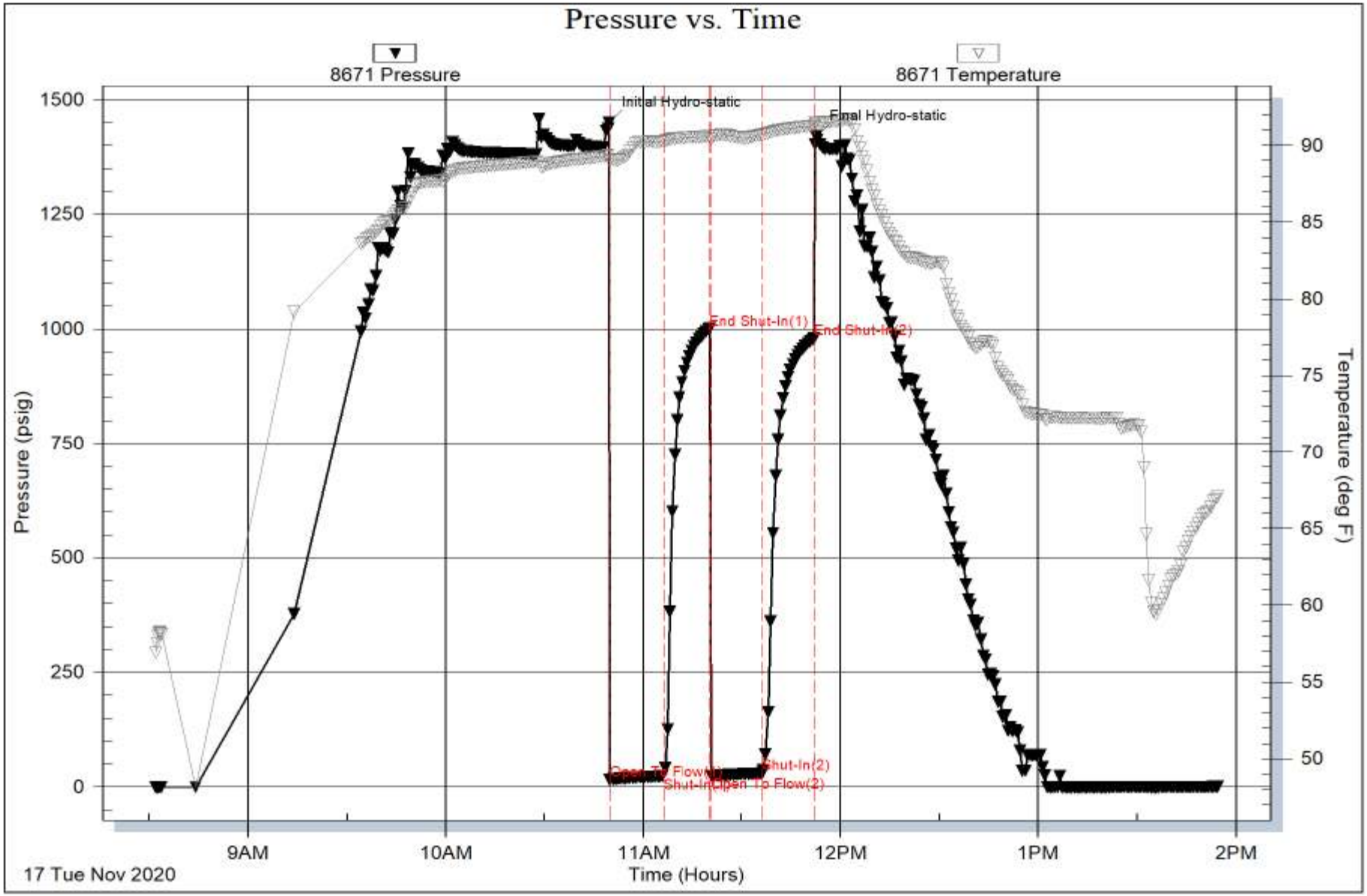
Total Length: 30.00 ft Total Volume: 0.308 bbl

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

Laboratory Name: Laboratory Location:

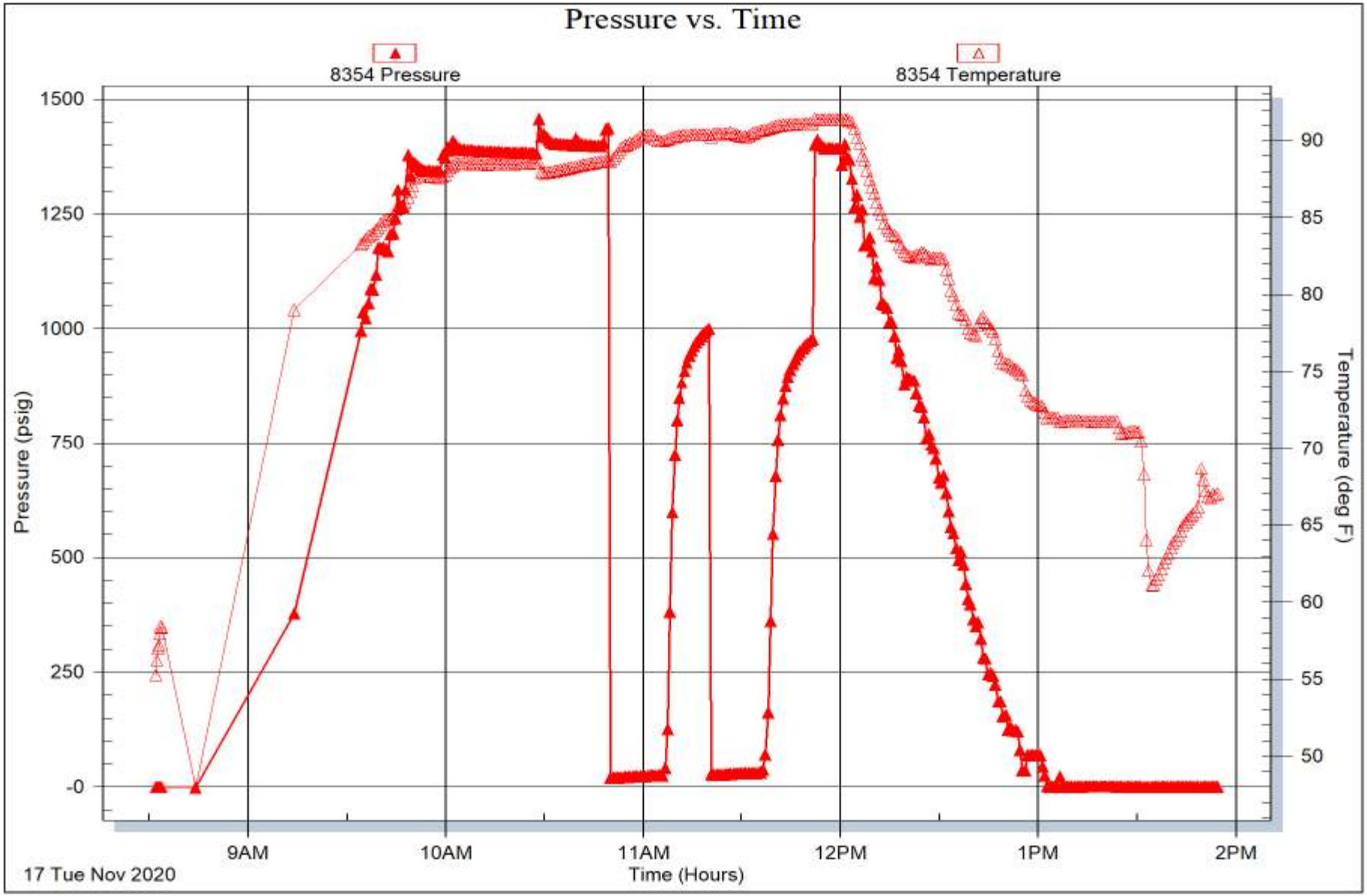
Recovery Comments:

Serial #: 8671 **Outside** Anchor Bay Simpson #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67416 Printed: 2020.11.17 @ 18:27:39

Serial #: 8354 **Inside** Anchor Bay Simpson #1 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 67416 Printed: 2020.11.17 @ 18:27:40

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67417 **DST#: 2**

Test Start: 2020.11.18 @ 02:10:00

GENERAL INFORMATION:

Formation: **LKC - G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:44:45
Time Test Ended: 07:15:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3118.00 ft (KB) To 3170.00 ft (KB) (TVD)
Total Depth: 3170.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

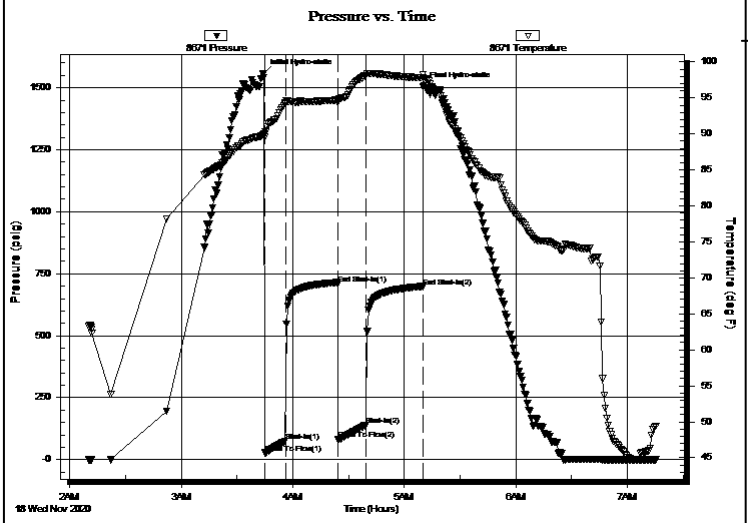
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 139.53 psig @ 3119.00 ft (KB)
Start Date: 2020.11.18 End Date: 2020.11.18
Start Time: 02:10:05 End Time: 07:15:44

Capacity: 8000.00 psig
Last Calib.: 2020.11.18
Time On Btm: 2020.11.18 @ 03:44:15
Time Off Btm: 2020.11.18 @ 05:10:00

TEST COMMENT: 15 - IF - Blow started out strong and built to 5 1/2"
30 - ISI - No Return
15 - FF - Blow started right aw ay and built up to 5"
30 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1557.76	89.94	Initial Hydro-static
1	26.96	89.53	Open To Flow (1)
12	74.69	94.27	Shut-In(1)
40	707.67	94.67	End Shut-In(1)
40	80.10	94.34	Open To Flow (2)
56	139.53	98.18	Shut-In(2)
86	698.10	97.78	End Shut-In(2)
86	1502.71	98.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
126.00	OCMW - 10%o - 40%m - 50%w	1.29
141.00	OCWM - 10%o - 40%w - 50%m	1.45

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67417 **DST#: 2**

Test Start: 2020.11.18 @ 02:10:00

GENERAL INFORMATION:

Formation: **LKC - G**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:44:45
Time Test Ended: 07:15:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3118.00 ft (KB) To 3170.00 ft (KB) (TVD)
Total Depth: 3170.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

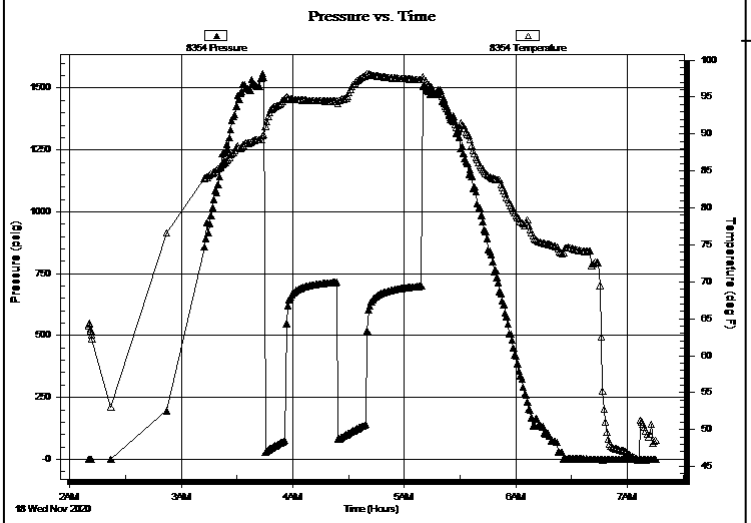
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3119.00 ft (KB)
Start Date: 2020.11.18 End Date: 2020.11.18
Start Time: 02:10:05 End Time: 07:15:29

Capacity: 8000.00 psig
Last Calib.: 2020.11.18
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Blow started out strong and built to 5 1/2"
30 - ISI - No Return
15 - FF - Blow started right aw ay and built up to 5"
30 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
126.00	OCMW - 10%o - 40%m - 50%w	1.29
141.00	OCWM - 10%o - 40%w - 50%m	1.45

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67417 **DST#: 2**

Test Start: 2020.11.18 @ 02:10:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	33000 ppm
Viscosity:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
126.00	OCMW - 10%o - 40%m - 50%w	1.293
141.00	OCWM - 10%o - 40%w - 50%m	1.447

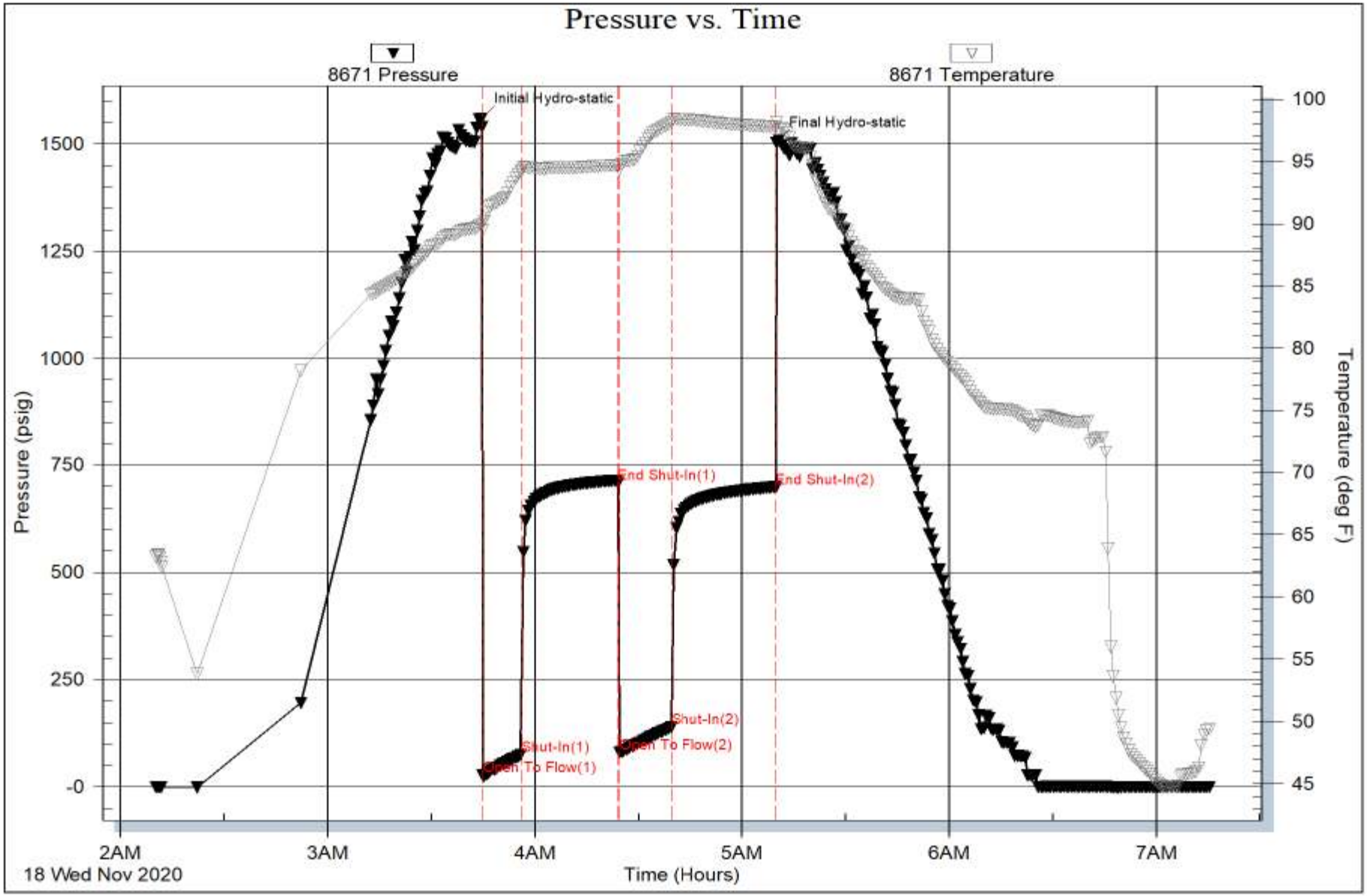
Total Length: 267.00 ft Total Volume: 2.740 bbl

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

Laboratory Name: Laboratory Location:

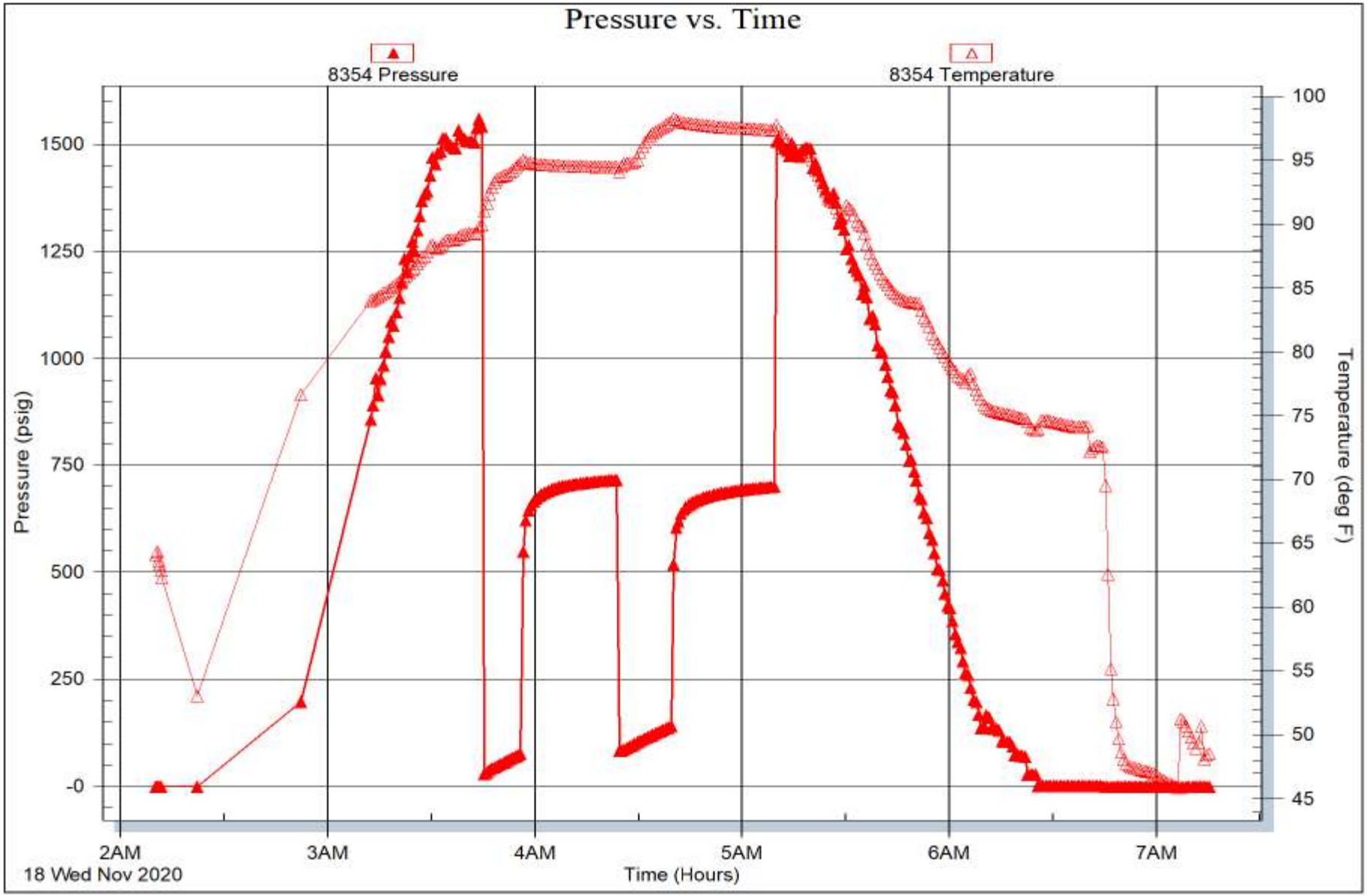
Recovery Comments: .365 @ 40 deg.

Serial #: 8671 **Outside** Anchor Bay Simpson #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67417 Printed: 2020.11.18 @ 08:54:06

Serial #: 8354 **Inside** Anchor Bay Simpson #1 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 67417 Printed: 2020.11.18 @ 08:54:07

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67418 **DST#: 3**

Test Start: 2020.11.18 @ 20:45:00

GENERAL INFORMATION:

Formation: **J, K & L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:38:30
Time Test Ended: 01:47:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3243.00 ft (KB) To 3308.00 ft (KB) (TVD)
Total Depth: 3308.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

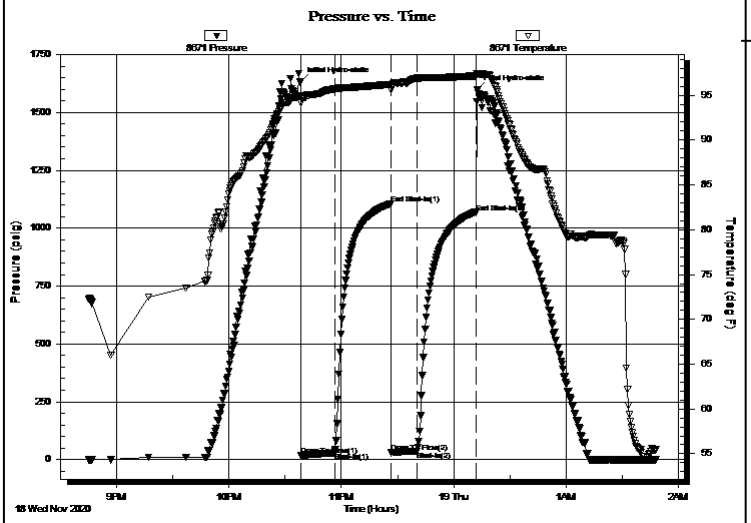
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 35.35 psig @ 3244.00 ft (KB)
Start Date: 2020.11.18 End Date: 2020.11.19
Start Time: 20:45:05 End Time: 01:47:44

Capacity: 8000.00 psig
Last Calib.: 2020.11.19
Time On Btm: 2020.11.18 @ 22:38:15
Time Off Btm: 2020.11.19 @ 00:12:30

TEST COMMENT: 15 - IF - Surfaceblow started out at 1/4" then died to a weak surface
30 - ISI - No Return
15 - FF - Surface blow started out at a weak blow then died off
30 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1633.85	94.98	Initial Hydro-static
1	18.63	94.12	Open To Flow (1)
19	30.43	95.70	Shut-In(1)
48	1105.96	96.21	End Shut-In(1)
49	31.59	95.56	Open To Flow (2)
62	35.35	96.91	Shut-In(2)
94	1068.46	97.15	End Shut-In(2)
95	1599.29	97.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	OSM - Oil Spots - 100%m	0.36

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67418 **DST#: 3**

Test Start: 2020.11.18 @ 20:45:00

GENERAL INFORMATION:

Formation: **J, K & L**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:38:30
Time Test Ended: 01:47:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3243.00 ft (KB) To 3308.00 ft (KB) (TVD)
Total Depth: 3308.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

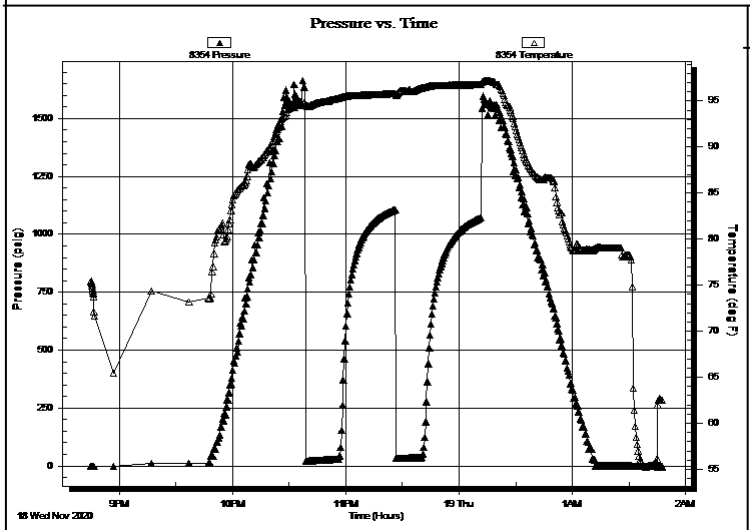
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3244.00 ft (KB)
Start Date: 2020.11.18 End Date: 2020.11.19
Start Time: 20:45:05 End Time: 01:47:44

Capacity: 8000.00 psig
Last Calib.: 2020.11.19
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Surfaceblow started out at 1/4" then died to a w eak surface
30 - ISI - No Return
15 - FF - Surface blow started out at a w eak blow then died off
30 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
35.00	OSM - Oil Spots - 100%m	0.36

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67418 **DST#: 3**

Test Start: 2020.11.18 @ 20:45:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.80 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9900.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	OSM - Oil Spots - 100%m	0.359

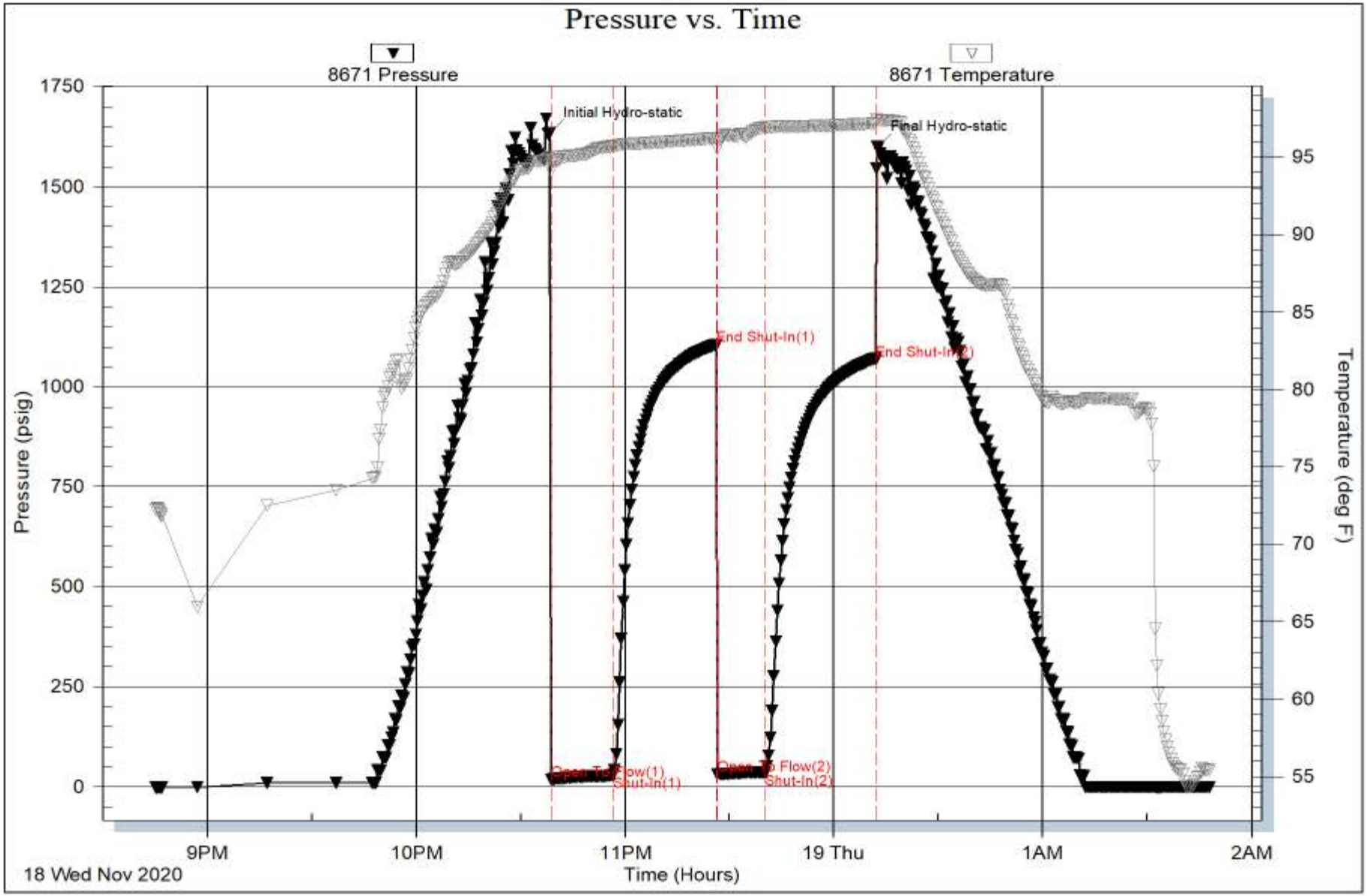
Total Length: 35.00 ft Total Volume: 0.359 bbl

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

Laboratory Name: Laboratory Location:

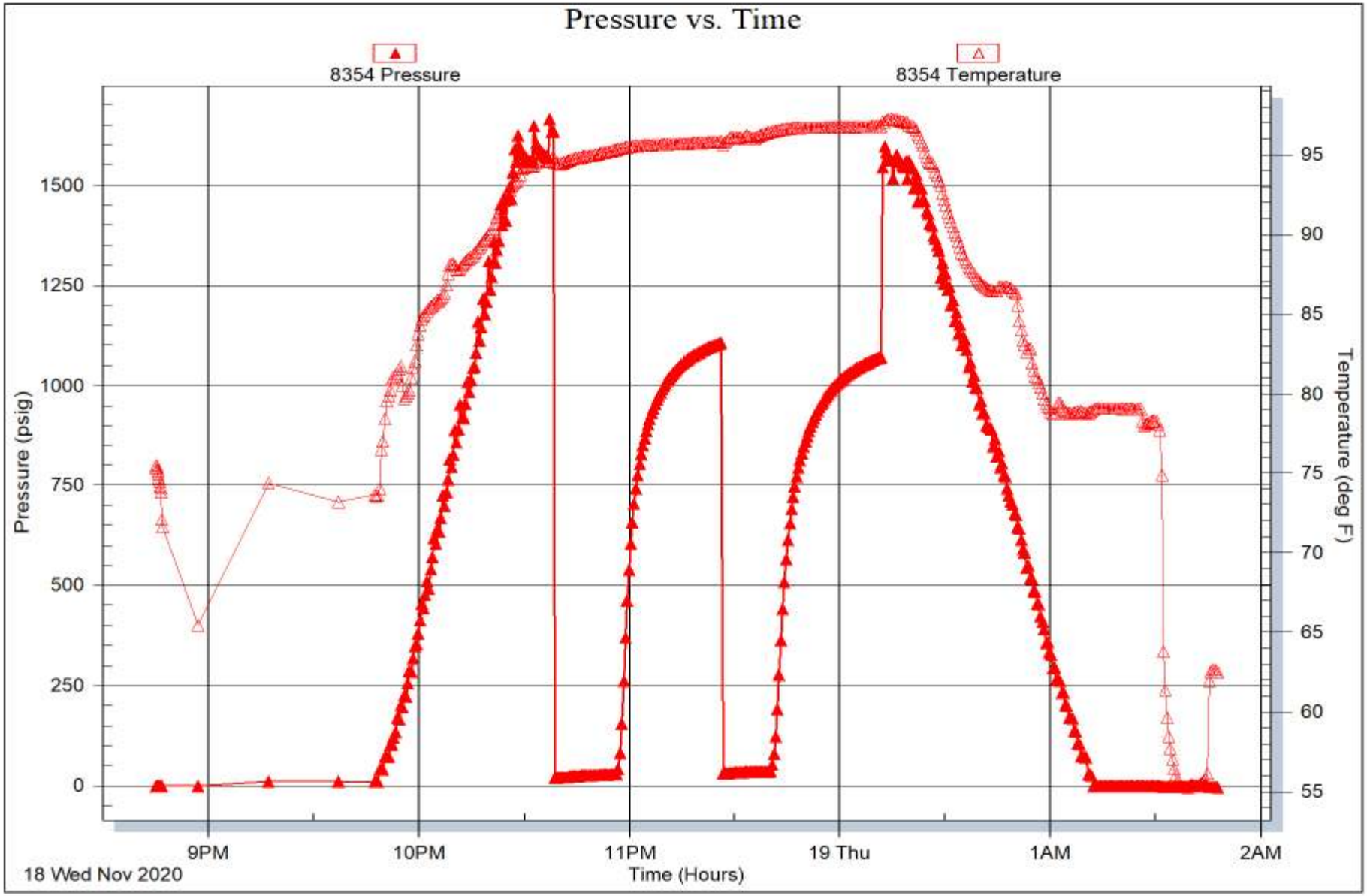
Recovery Comments:

Serial #: 8671 **Outside** Anchor Bay Simpson #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 67418 Printed: 2020.11.19 @ 07:25:54

Serial #: 8354 **Inside** Anchor Bay Simpson #1 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 67418 Printed: 2020.11.19 @ 07:25:54

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67419 **DST#: 4**

Test Start: 2020.11.19 @ 10:03:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:42:30
Time Test Ended: 15:59:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3323.00 ft (KB) To 3365.00 ft (KB) (TVD)
Total Depth: 3365.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

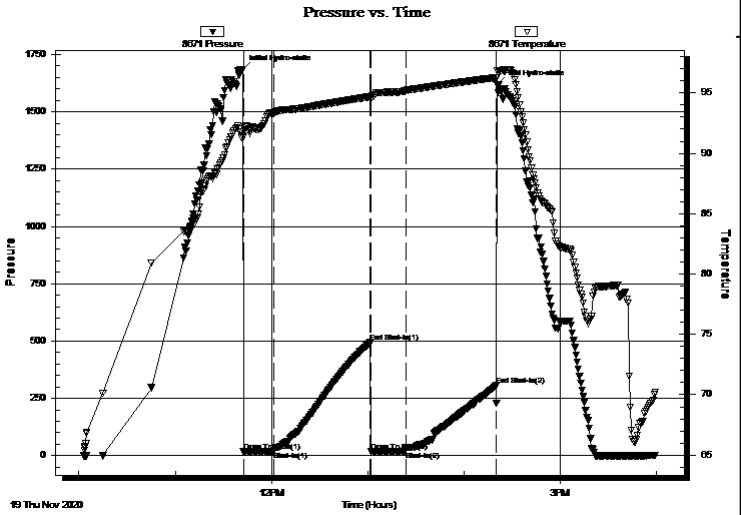
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 19.57 psig @ 3324.00 ft (KB)
Start Date: 2020.11.19 End Date: 2020.11.19
Start Time: 10:03:05 End Time: 15:59:44

Capacity: 8000.00 psig
Last Calib.: 2020.11.19
Time On Btm: 2020.11.19 @ 11:42:00
Time Off Btm: 2020.11.19 @ 14:20:30

TEST COMMENT: 15 - IF - Blow started at a weak surface then died off
60 - ISI - No Return
15 - FF - Blow bubbled when we opened the tool then died
60 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1684.81	91.46	Initial Hydro-static
1	16.84	91.35	Open To Flow (1)
20	20.75	93.32	Shut-In(1)
80	493.96	94.70	End Shut-In(1)
80	17.77	94.43	Open To Flow (2)
102	19.57	95.17	Shut-In(2)
158	305.59	96.28	End Shut-In(2)
159	1619.61	96.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - Oil Spots - 100%m	0.05

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67419 **DST#: 4**

Test Start: 2020.11.19 @ 10:03:00

GENERAL INFORMATION:

Formation: **Conglomerate**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:42:30
Time Test Ended: 15:59:45

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3323.00 ft (KB) To 3365.00 ft (KB) (TVD)
Total Depth: 3365.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3324.00 ft (KB)
Start Date: 2020.11.19 End Date: 2020.11.19
Start Time: 10:03:05 End Time: 15:59:44

Capacity: 8000.00 psig
Last Calib.: 2020.11.19
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Blow started at a weak surface then died off
60 - ISI - No Return
15 - FF - Blow bubbled when we opened the tool then died
60 - FSI - No Return

PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - Oil Spots - 100%m	0.05

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67419 **DST#: 4**

Test Start: 2020.11.19 @ 10:03:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

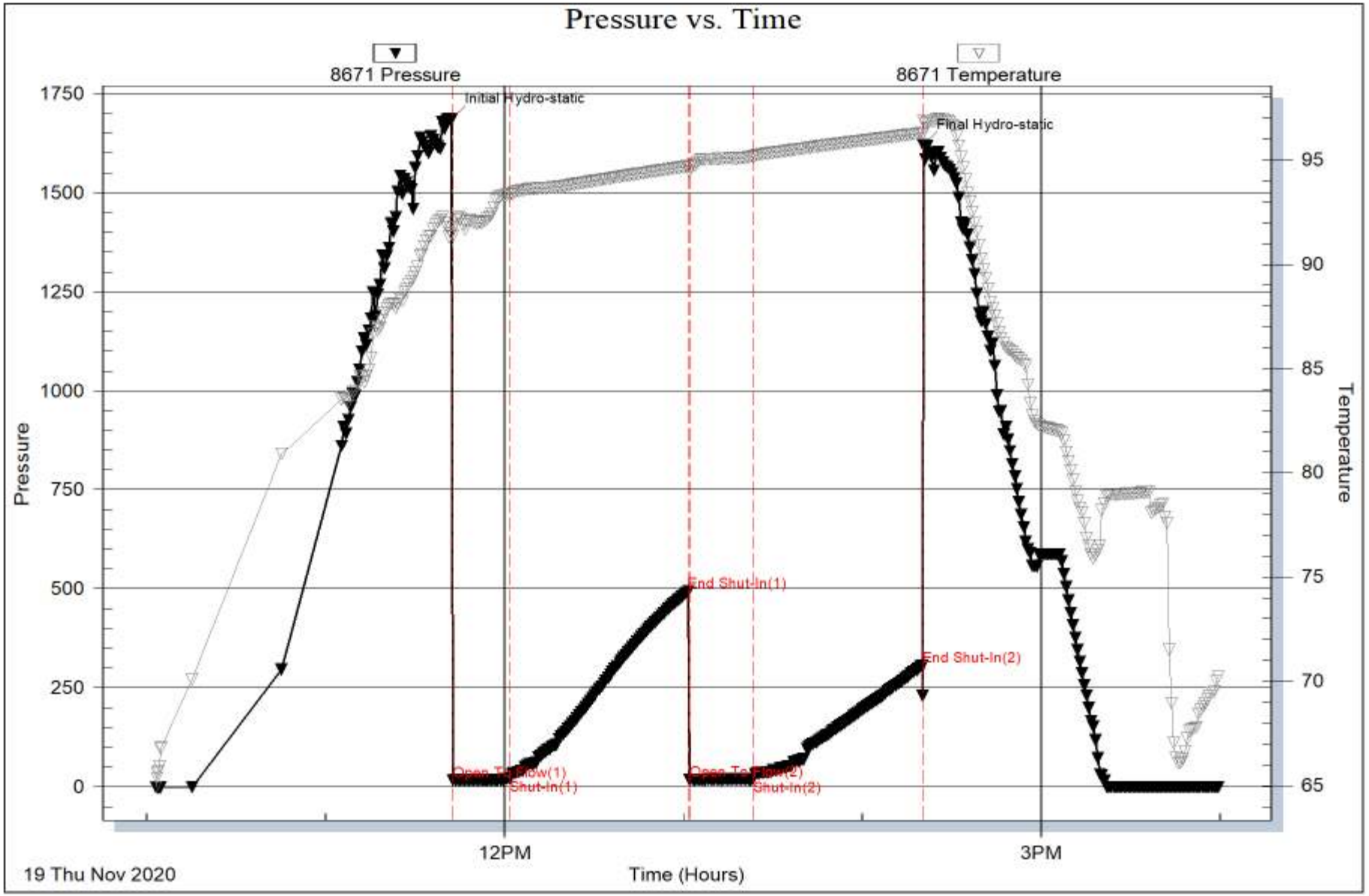
Recovery Table

Length ft	Description	Volume bbl
5.00	OSM - Oil Spots - 100%m	0.051

Total Length: 5.00 ft Total Volume: 0.051 bbl

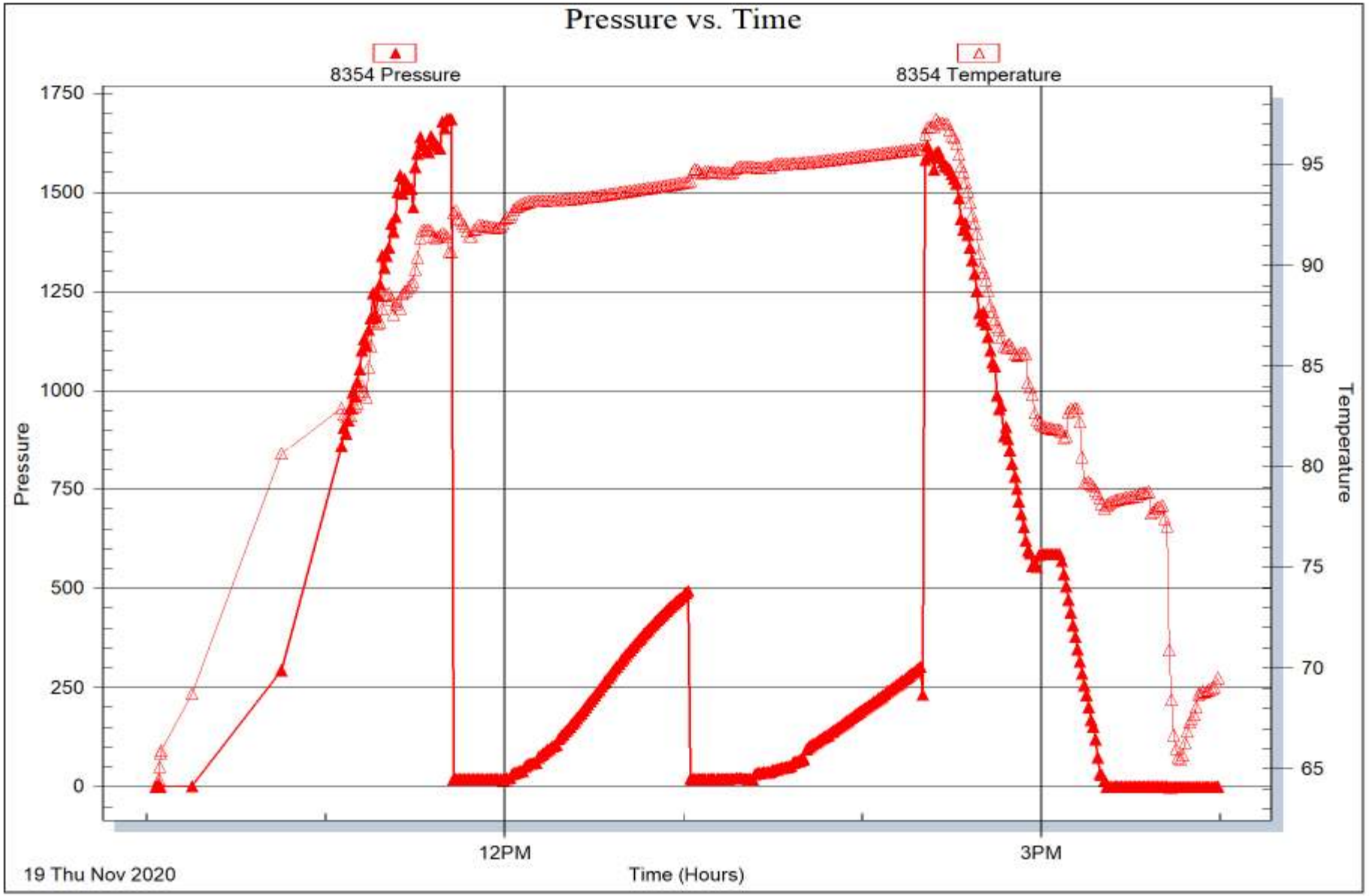
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

Serial #: 8671 **Outside** Anchor Bay Simpson #1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 67419 Printed: 2020.11.20 @ 10:49:23

Serial #: 8354 **Inside** Anchor Bay Simpson #1 DST Test Number: 4



Trilobite Testing, Inc Ref. No: 67419 Printed: 2020.11.20 @ 10:49:23

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67420 **DST#: 5**

Test Start: 2020.11.20 @ 01:27:00

GENERAL INFORMATION:

Formation: **Simpson snd**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:13:45
Time Test Ended: 06:36:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3343.00 ft (KB) To 3427.00 ft (KB) (TVD)
Total Depth: 3427.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

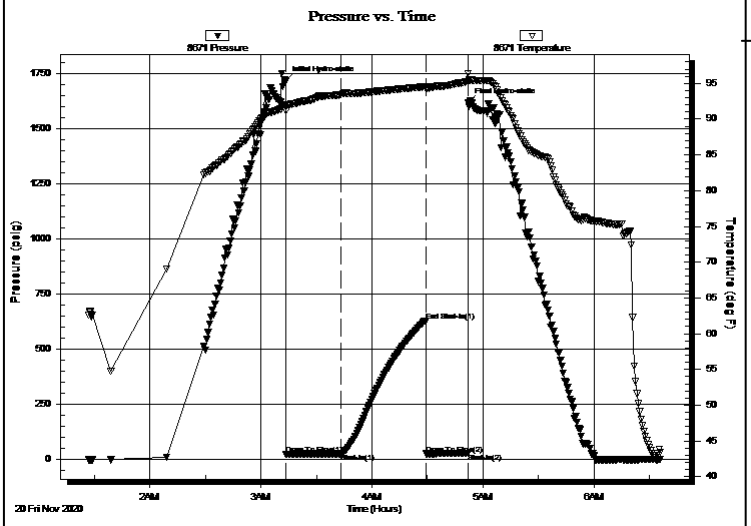
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Outside**

Press@RunDepth: 26.81 psig @ 3344.00 ft (KB)
Start Date: 2020.11.20 End Date: 2020.11.20
Start Time: 01:27:05 End Time: 06:36:14

Capacity: 8000.00 psig
Last Calib.: 2020.11.20
Time On Btm: 2020.11.20 @ 03:13:30
Time Off Btm: 2020.11.20 @ 04:52:00

TEST COMMENT: 30 - IF - Blow held a weak surface blow
30 - ISI - No Return
30 - FF - Blow started with a weak blow then died



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1717.76	91.97	Initial Hydro-static
1	23.31	91.14	Open To Flow (1)
30	26.81	93.40	Shut-In(1)
76	629.76	94.55	End Shut-In(1)
76	26.17	94.18	Open To Flow (2)
99	28.01	95.28	Shut-In(2)
99	1620.09	96.39	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud - 100%m	0.31

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67420 **DST#: 5**

Test Start: 2020.11.20 @ 01:27:00

GENERAL INFORMATION:

Formation: **Simpson snd**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 03:13:45
Time Test Ended: 06:36:15

Test Type: Conventional Bottom Hole (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3343.00 ft (KB) To 3427.00 ft (KB) (TVD)
Total Depth: 3427.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

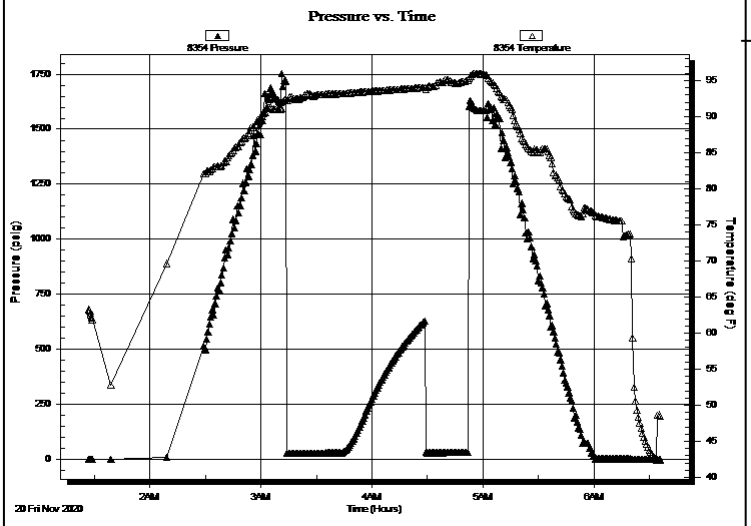
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 **Inside**

Press@RunDepth: psig @ 3344.00 ft (KB)
Start Date: 2020.11.20 End Date: 2020.11.20
Start Time: 01:27:05 End Time: 06:36:14

Capacity: 8000.00 psig
Last Calib.: 2020.11.20
Time On Btm:
Time Off Btm:

TEST COMMENT: 30 - IF - Blow held a weak surface blow
30 - ISI - No Return
30 - FF - Blow started with a weak blow then died



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
30.00	Mud - 100%m	0.31

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67420 **DST#: 5**

Test Start: 2020.11.20 @ 01:27:00

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:	52.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	9.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	10200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
30.00	Mud - 100%m	0.308

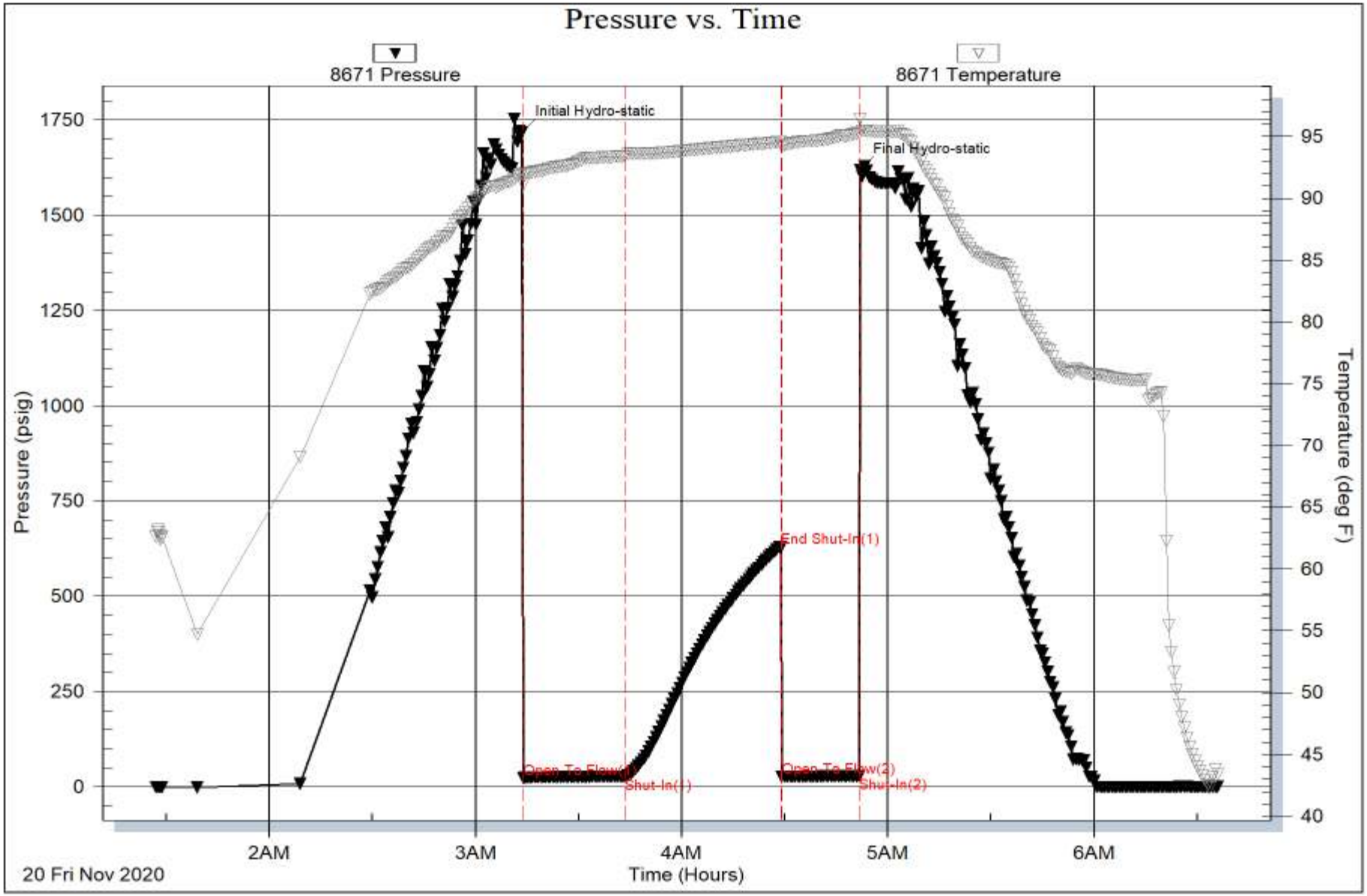
Total Length: 30.00 ft Total Volume: 0.308 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8671 **Outside** Anchor Bay Simpson #1 DST Test Number: 5



Trilobite Testing, Inc Ref. No: 67420 Printed: 2020.11.20 @ 10:38:51

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67421 **DST#: 6**

Test Start: 2020.11.20 @ 21:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:05:45
Time Test Ended: 07:07:15

Test Type: Conventional Straddle (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3409.00 ft (KB) To 3438.00 ft (KB) (TVD)
Total Depth: 3555.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

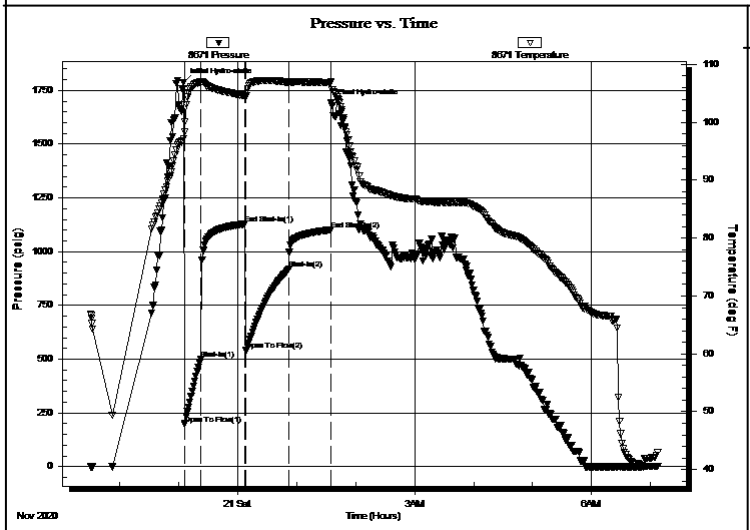
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8671 **Inside**

Press@RunDepth: 918.19 psig @ 3410.00 ft (KB)
Start Date: 2020.11.20 End Date: 2020.11.21
Start Time: 21:30:05 End Time: 07:07:15

Capacity: 8000.00 psig
Last Calib.: 2020.11.21
Time On Btm: 2020.11.20 @ 23:05:00
Time Off Btm: 2020.11.21 @ 01:34:45

TEST COMMENT: 15 - IF - Blow built to B.o.B. in about 45 seconds
45 - ISI - No Return
45 - FF - Blow built to B.o.B. in about 1 min. and built up to 75"
45 - FSI - No Return



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1786.63	97.22	Initial Hydro-static
1	196.87	98.30	Open To Flow (1)
18	498.10	107.01	Shut-In(1)
63	1128.76	104.56	End Shut-In(1)
63	542.33	104.39	Open To Flow (2)
107	918.19	106.90	Shut-In(2)
150	1101.12	106.85	End Shut-In(2)
150	1690.74	107.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2205.00	Oil - 100%o	22.62
0.00	252' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67421 **DST#: 6**

Test Start: 2020.11.20 @ 21:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:05:45
Time Test Ended: 07:07:15

Test Type: Conventional Straddle (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3409.00 ft (KB) To 3438.00 ft (KB) (TVD)
Total Depth: 3555.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

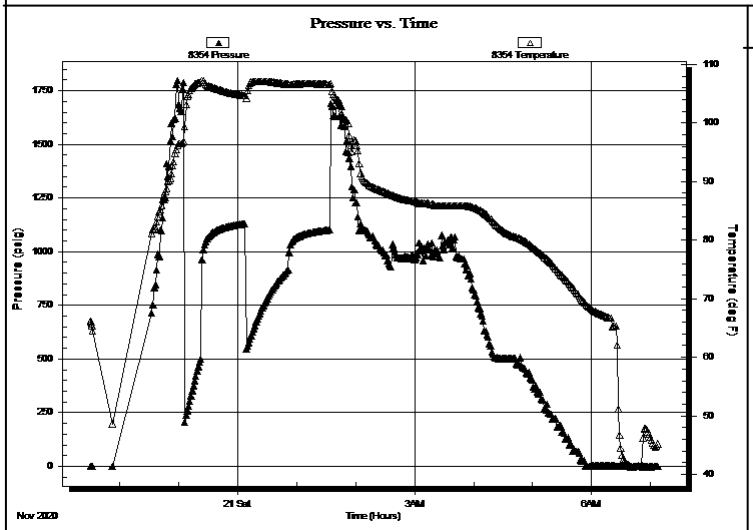
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 **Outside**

Press@RunDepth: psig @ 3410.00 ft (KB)
Start Date: 2020.11.20 End Date: 2020.11.21
Start Time: 21:30:05 End Time: 07:07:15

Capacity: 8000.00 psig
Last Calib.: 2020.11.21
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Blow built to B.o.B. in about 45 seconds
45 - ISI - No Return
45 - FF - Blow built to B.o.B. in about 1 min. and built up to 75"
45 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2205.00	Oil - 100%o	22.62
0.00	252' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67421 **DST#: 6**

Test Start: 2020.11.20 @ 21:30:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:05:45
Time Test Ended: 07:07:15

Test Type: Conventional Straddle (Initial)
Tester: Royal Fisher
Unit No: #77

Interval: 3409.00 ft (KB) To 3438.00 ft (KB) (TVD)
Total Depth: 3555.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

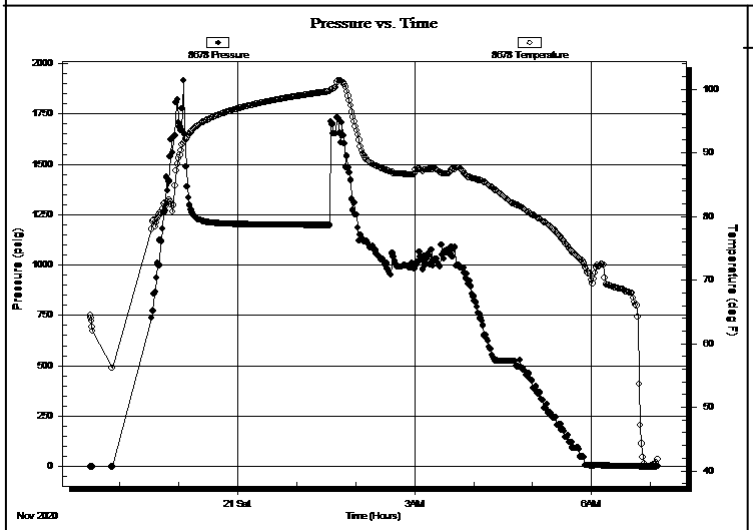
Reference Elevations: 1867.00 ft (KB)
1862.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8678

Press@RunDepth: psig @ ft (KB)
Start Date: 2020.11.20 End Date: 2020.11.21
Start Time: 21:30:05 End Time: 07:07:15

Capacity: 8000.00 psig
Last Calib.: 2020.11.21
Time On Btm:
Time Off Btm:

TEST COMMENT: 15 - IF - Blow built to B.o.B. in about 45 seconds
45 - ISI - No Return
45 - FF - Blow built to B.o.B. in about 1 min. and built up to 75"
45 - FSI - No Return



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
2205.00	Oil - 100%o	22.62
0.00	252' GIP	0.00

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Anchor Bay

1952 Victoria Rd
Hays Ks, 67601

ATTN: Ed Glassman

3 - 11S - 17W

Simpson #1

Job Ticket: 67421 **DST#: 6**

Test Start: 2020.11.20 @ 21:30:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	28 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	57.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9100.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2205.00	Oil - 100%o	22.625
0.00	252' GIP	0.000

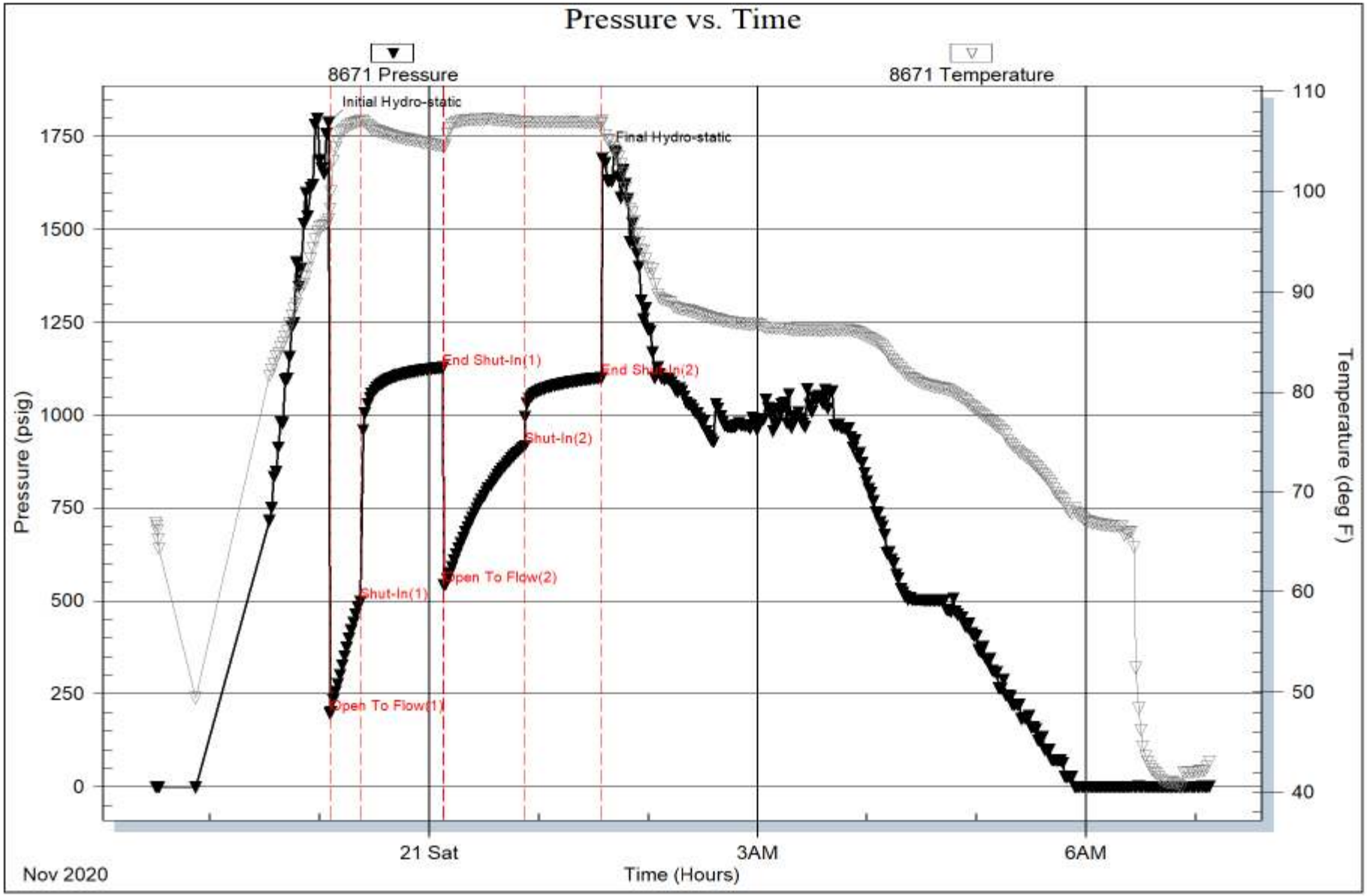
Total Length: 2205.00 ft Total Volume: 22.625 bbl

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

Laboratory Name: Laboratory Location:

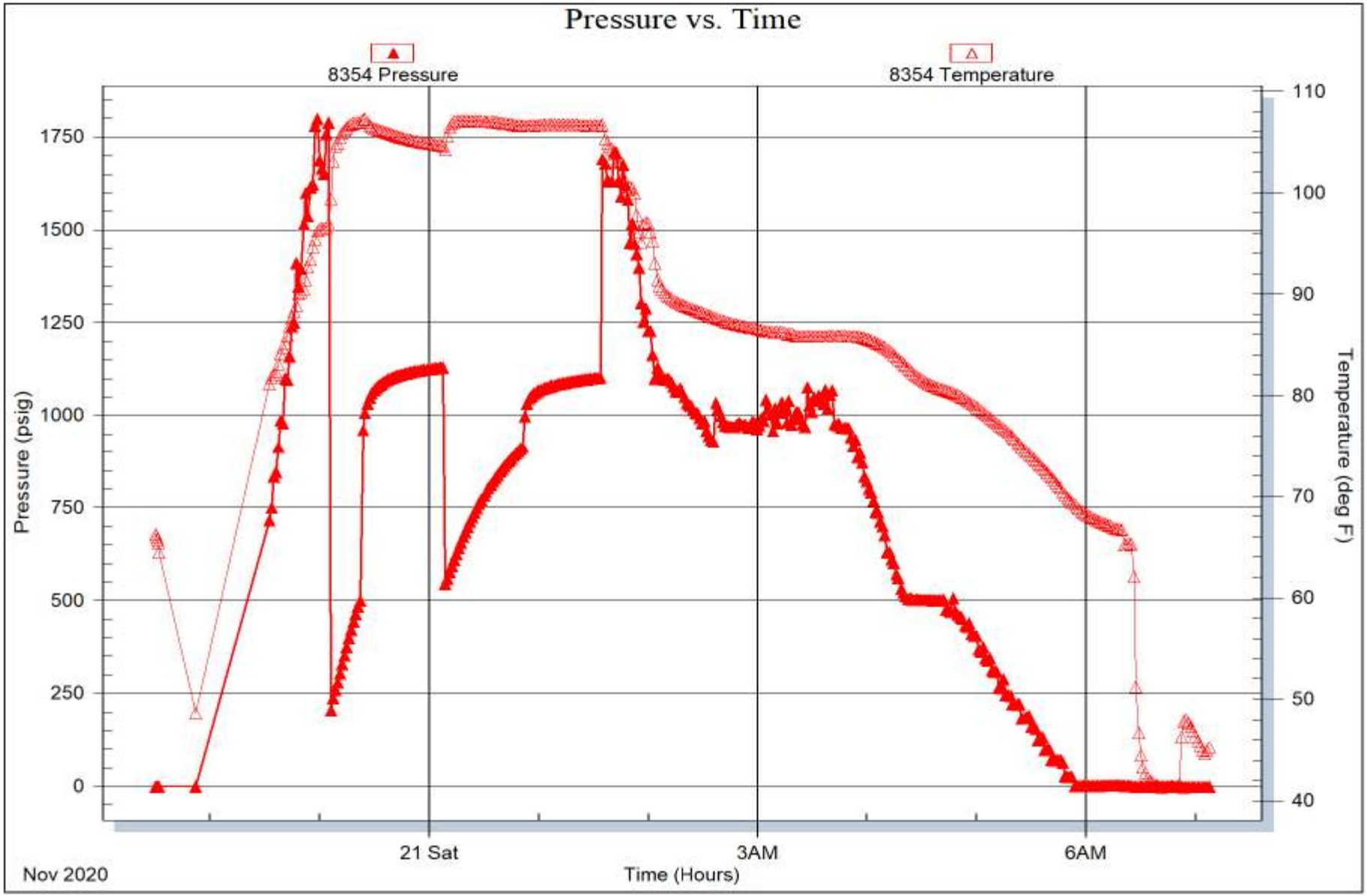
Recovery Comments:

Serial #: 8671 **Inside** Anchor Bay Simpson #1 DST Test Number: 6



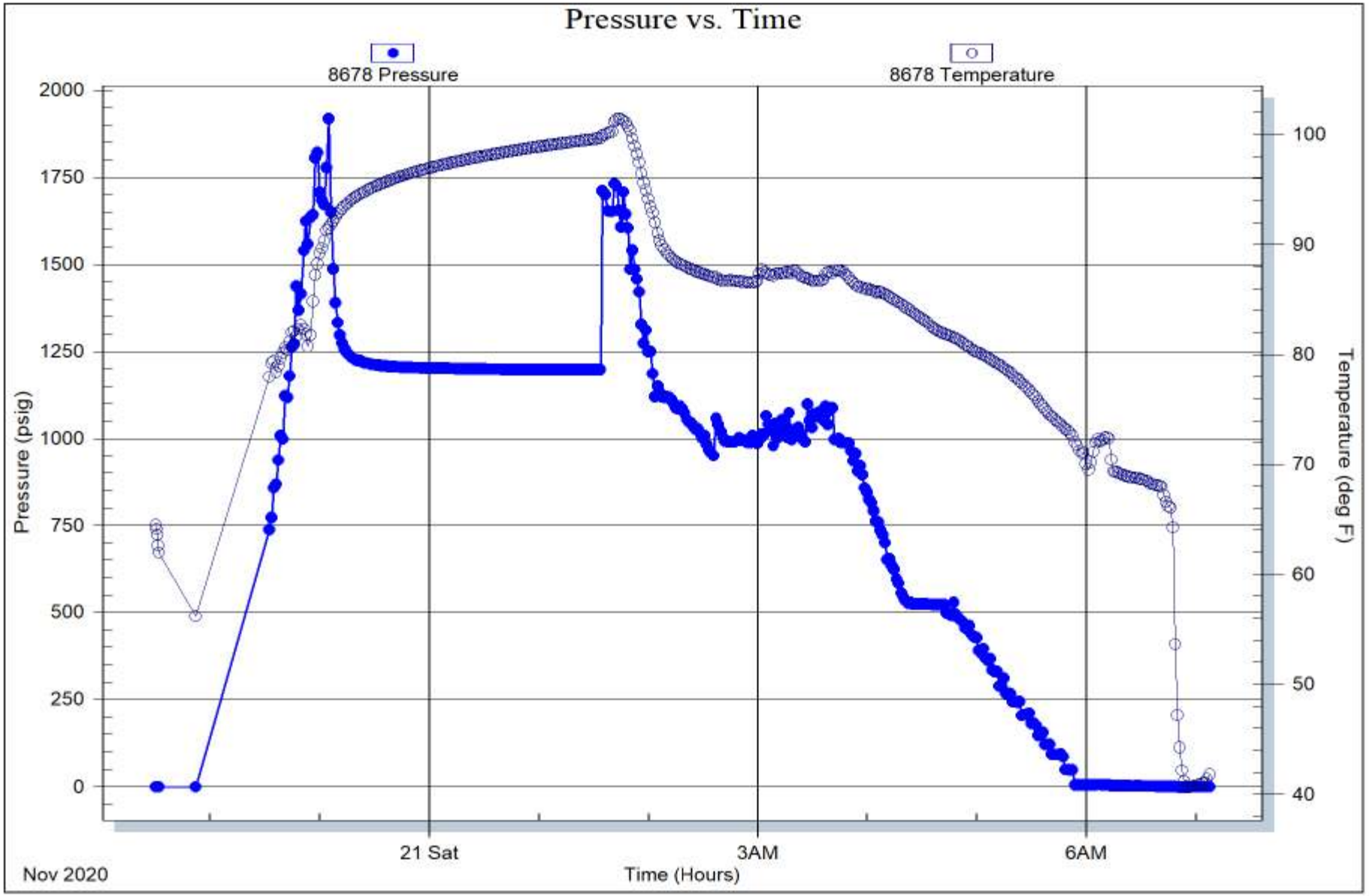
Trilobite Testing, Inc Ref. No: 67421 Printed: 2020.11.21 @ 10:24:37

Serial #: 8354 **Outside** Anchor Bay Simpson #1 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 67421 Printed: 2020.11.21 @ 10:24:37

Serial #: 8678 Anchor Bay Simpson #1 DST Test Number: 6



Trilobite Testing, Inc Ref. No: 67421 Printed: 2020.11.21 @ 10:24:38

Jason Consulting LLC

API 15-051-26992-00

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR ANCHOR BAY PETROLEUM LLC

LEASE SIMPSON WELL NO. 1

FIELD UNKNOWN

LOCATION 710' FSL & 335' FEL

SEC. 3 TWP. 11S RGE. 17W

COUNTY ELLIS STATE KANSAS

ELEVATION

KB 1867

DF

GL 1862

Measurements Are All From KELLY BUSHING

CONTRACTOR WHITE KNIGHT DRILLING

COMM. 11-14-2020 COMP. 11-21-2020

RTD 3555' LOG TD 3556'

SAMPLES SAVED FROM 2700 TO T.D.

DRILLING TIME KEPT FROM 2700' TO T.D.

SAMPLES EXAMINED FROM 2700' TO T.D.

GEOLOGICAL SUPERVISION FROM 2700 TO T.D.

MUD UP 2650' TYPE MUD FRESH WTR CHEM.

CASING RECORD

SURFACE 8⅝" @ 213' 150 sxs 80/20 3%CC 2%gel

PRODUCTION 5½" @ 3553 140 sxs 10% salt, 5% Gilsonite 500g mud clear, 30sx RatHole

ELECTRICAL SURVEYS

DUAL INDUCTION

DENSITY NEUTRON

MICRO

FORMATION	LOG TOP	LOG DATUM	SAMPLE TOP	SAMPLE DATUM	STRUCT. COMP.
ANHYDRITE	1071	(796)	1078	(788)	+5
B/ANHYDRITE	1105	(762)	1111	(755)	+5
TOPEKA	2796	(-929)	2798	(-931)	+6
HEEBNER	3023	(-1156)	3027	(-1160)	+3
TORONTO	3046	(-1179)	3047	(-1180)	+5
LANSING	3057	(-1200)	3067	(-1200)	+05
B/KANSAS CITY	3308	(-1441)	3311	(-1444)	+3
CONGLOMERATE	3334	(-1467)	3336	(-1469)	+5
SIMPSON SAND	3405	(-1538)	3416	(-1549)	+13
ARBUCKLE	3427	(-1560)	3432	(-1565)	+14

REFERENCE WELL FOR STRUCTURAL COMPARISON ANCHOR BAY PETROLEUM LLC SLIMMER #1 NW/4 2-11S-17W; Ellis Co KANSAS

3 SIMPSON SLIMMER

DATE	DEPTH	NO	SIZE	MAKE	TYPE
11-14-2020	SPUD	1	12¼	JZ	
11-15-2020	584	2	7⅞	GT	
11-16-2020	1887	3	7⅞	GT	
11-17-2020	2632				
11-18-2020	2995				
11-19-2020	3170				
11-20-2020	3335				
11-21-2020	3555				

FORMATION | INTERVAL | DESCRIPTION OF SHOW

DRILL STEM TESTS

LEGEND

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

DRILLING TIME IN MINUTES PER FOOT — Rate of Penetration Decreases | DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | OIL SHOWS | REMARKS

REMARKS

DST #1

2946 - 2995
49' ANCHOR
15-15-15-15
IFP: ½" blow to 23#
ISIP: 1000 #
FFP: ½" blow to 30#
FSIP: 980 #
REC: 30' Oil cut Mud
2% oil, 98% mud

DST #2

3118 - 3170
52' ANCHOR
15-30-15-30
IFP: 5½" blow to 74#
ISIP: 707 #
FFP: 5" blow to 139#
FSIP: 698 #
REC: 126' OCMW
10% oil, 40% M 50% W
141' OCWM
10% oil, 40% W, 50% M

VIS 51
Wt 9.1
Lcm 1#
Fil 7.8
CHLOR 9,900

DST #3

3243 - 3308
65' ANCHOR
15-30-15-30
IFP: ¼" blow to 30#
ISIP: 1105 #
FFP: No blow to 35#
FSIP: 1068 #
REC: 35' Oil spt'd mud
100% mud

VIS 52
Wt 9.2
Fil 10.0
Chlo 10,200
Lcm 1#

DST #4

3323 - 3365
42' Anchor
15-45-15-45
IFP: Weak surface to 20#
ISIP: 493 #
FFP: weak died to 19#
FSIP: 305 #
REC: 5' mud 2 oil spts

DST #5

3343 - 3427
84' Anchor
30-30-30-0
IFP: Weak surf. blo to 26#
FFP: Weak then dead 28#
ISIP: 629 #
FSIP: 0 #
REC: 30' Mud

DST #6
Straddle

3409 - 3438
29' Anchor
15-45-45-45
IFP: B.O.B. 30s to 498#
ISIP: 1128 #
FFP: B.O.B in 1 min @ 918#
FSIP: 1101 #
REC: 252' GIP
2205' CGO

5" 10" 15" 20" 25"
DRILLING TIME Minutes/Foot — Rate of Penetration Decreases | DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | OIL SHOWS | REMARKS

CONTRACTOR WHITE KNIGHT DRILLING
LEASE SIMPSON IP
ELEVATION 1867 KB RTD 3555
LOCATION 710' FSL & 335' FEL
SEC 3 TWP 11S RNG 17W
COUNTY ELLIS STATE KANSAS