

Form	ACO1 - Well Completion
Operator	Eagle Creek Corporation
Well Name	HOSS UNIT 1-2
Doc ID	1517472

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	601	common	300	2% gel, 3% cc
Production	7.875	5.5	15.5	4416	EA2	120	

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

BICKET CONTINUATION

TICKET No. 33055

[illegible]



CHARGE TO: Leaf Creek
ADDRESS
CITY, STATE, ZIP CODE

TICKET 130096

PAGE 1 OF 1

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Ness City, KS</u>	<u>1-2</u>	<u>Hess Unit</u>	<u>Ness</u>	<u>KS</u>	<u>Lowell</u>	<u>3/1/2000</u>	
2.	TICKET TYPE ☒ SERVICE ☐ SALES	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.		<u>Wells / Moffat</u>		<u>at</u>	<u>Lowell</u>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
	<u>Oil</u>	<u>Development</u>	<u>Surface Pipe</u>		<u>Lowell 85-1-1</u>		
REFERRAL LOCATION	INVOICE INSTRUCTIONS						
					<u>Nigeria</u>		

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		U/M		UNIT PRICE	AMOUNT
		LOC	ACCT	DF		QTY.	U/M	QTY.	U/M		
575		1			MILEAGE T-6 11/12			20	mi	5.00	100.00
576	D	1			Pump Change - Surface			1	sk	1400.00	1400.00
599		1			Turbopump	8 3/4	in	2	ea	110.00	220.00
410		1			Top Plug	8 3/4	in	1	ea	130.00	130.00
412		1			Bottom Plug	8 3/4	in	1	ea	125.00	125.00
325		1			Standard CMT			300	sk	13.00	4050.00
279		1			Barbwire Grl			6	sk	30.00	180.00
278		1			Culvert Chbrk			14	sk	40.00	560.00
240		1			D-Ann			3	sk	42.00	126.00
261		1			CMT Service Charge			300	sk	1.85	555.00
233		1			Daying	29 mi	16	295	TM	8.00	2380.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.	REMIT PAYMENT TO:		SURVEY		PAGE TOTAL	
	SWIFT SERVICES, INC.		OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	AGREE	UNDECIDED	DISAGREE
	P.O. BOX 466		WE UNDERSTOOD AND MET YOUR NEEDS?			
	NESS CITY, KS 67560		OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS.	785-798-2300		WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			
DATE SIGNED <u>3/1/2000</u>	TIME SIGNED <u>4:15</u>	ARE YOU SATISFIED WITH OUR SERVICE?		PAGE TOTAL		
		☒ YES	☐ NO	77726.00		
CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES		THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES LISTED ON THIS TICKET.		TAX		
SWIFT OPERATOR <u>William Fuchs</u>		APPROVAL		TOTAL		

Thank You!



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66853

DST#: 1

Test Start: 2020.03.12 @ 10:45:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:00

Time Test Ended: 19:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4295.00 ft (KB) To 4335.00 ft (KB) (TVD)

Reference Elevations: 2366.00 ft (KB)

Total Depth: 4335.00 ft (KB) (TVD)

2359.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8671 Outside

Press@RunDepth: 65.06 psig @ 4296.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.12

End Date:

2020.03.12

Last Calib.: 2020.03.12

Start Time: 10:45:05

End Time:

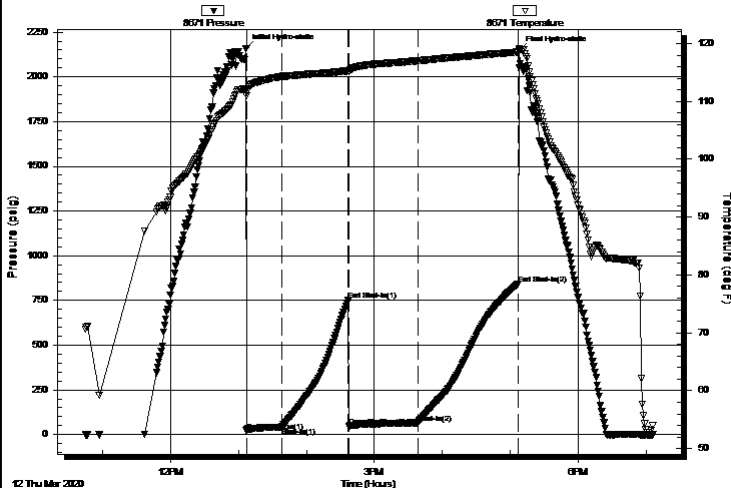
19:05:59

Time On Btm: 2020.03.12 @ 13:06:45

Time Off Btm: 2020.03.12 @ 17:08:00

TEST COMMENT: 30 - IF - Blow built to B.o.B. in 20 mins
60 - ISI - No Return
60 - FF - Blow built to B.o.B. in 12 mins
90 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2158.90	112.18	Initial Hydro-static
1	21.28	110.95	Open To Flow (1)
32	42.59	114.31	Shut-In(1)
91	752.90	115.28	End Shut-In(1)
91	44.13	115.12	Open To Flow (2)
152	65.06	117.02	Shut-In(2)
241	844.16	118.52	End Shut-In(2)
242	2145.00	119.15	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	OCM - 45%o - 55%w	0.58
6.00	Free Oil - 100%o	0.06
0.00	372 - GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66853

DST#: 1

Test Start: 2020.03.12 @ 10:45:00

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:07:00

Time Test Ended: 19:06:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4295.00 ft (KB) To 4335.00 ft (KB) (TVD)

Total Depth: 4335.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2366.00 ft (KB)

2359.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8360 Inside

Press@RunDepth: psig @ 4296.00 ft (KB)

Start Date: 2020.03.12

End Date:

2020.03.12

Start Time: 10:45:05

End Time:

19:05:59

Capacity: 8000.00 psig

Last Calib.:

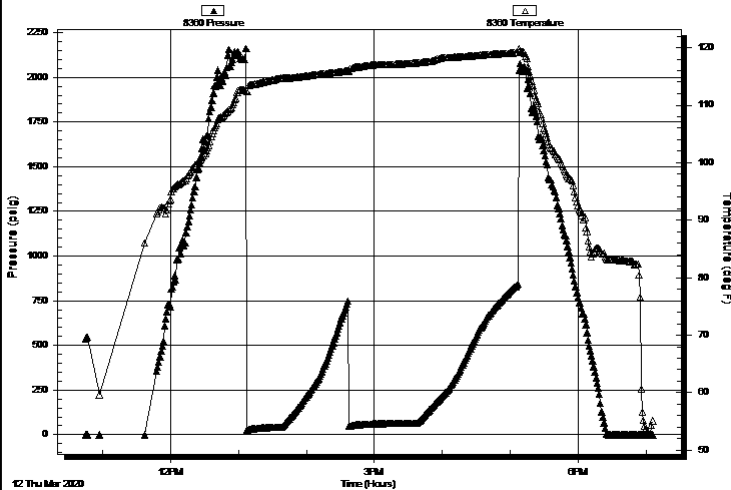
2020.03.12

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF - Blow built to B.o.B. in 20 mins
60 - ISI - No Return
60 - FF - Blow built to B.o.B. in 12 mins
90 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
118.00	OCM - 45%o - 55%w	0.58
6.00	Free Oil - 100%o	0.06
0.00	372 - GIP	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
w ichta Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66853

DST#: 1

Test Start: 2020.03.12 @ 10:45:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 57.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 5900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

35 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	OCM - 45%o - 55%m	0.580
6.00	Free Oil - 100%o	0.062
0.00	372 - GIP	0.000

Total Length: 124.00 ft

Total Volume: 0.642 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

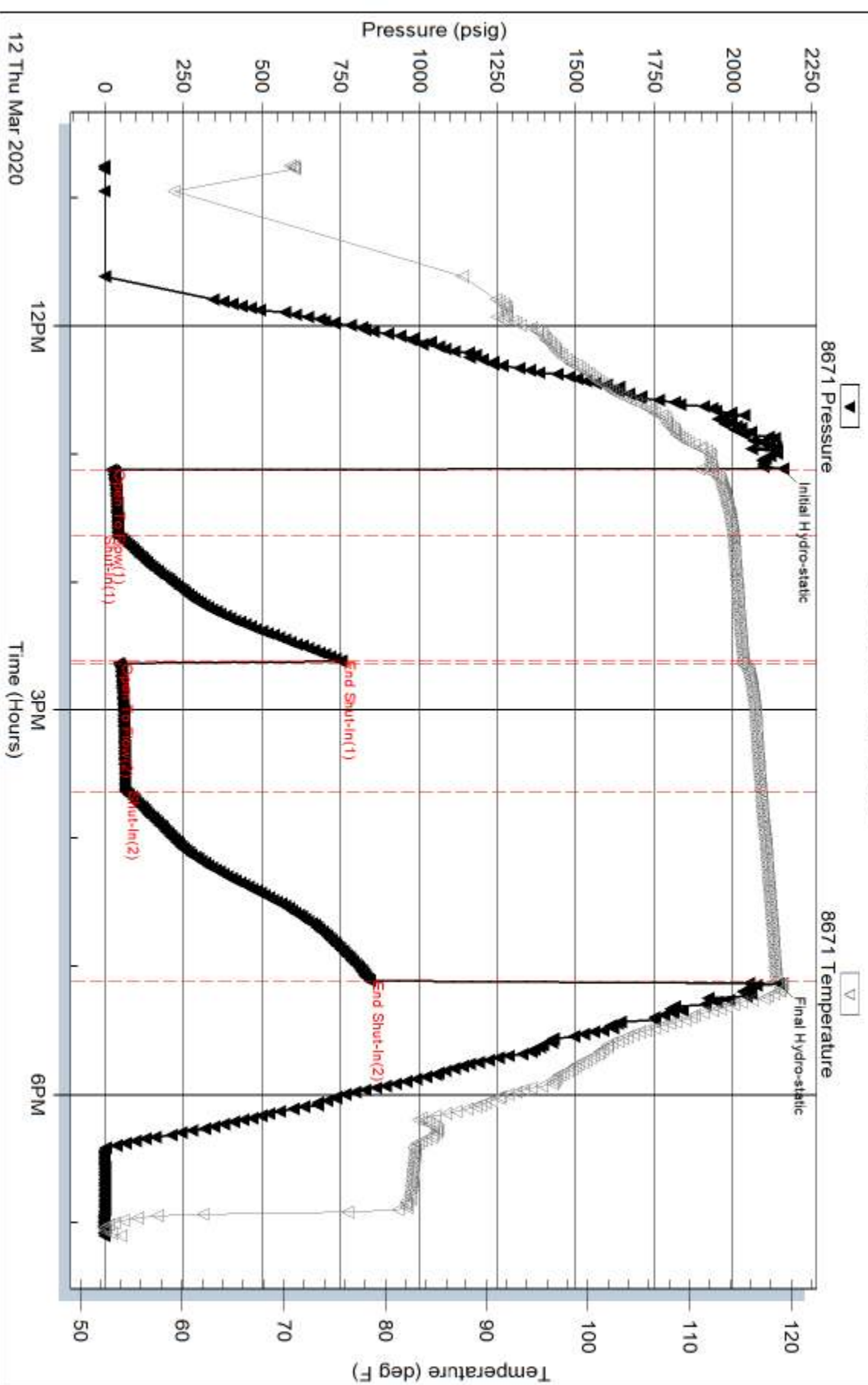
Serial #: 8671

Outside Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 1

Pressure vs. Time



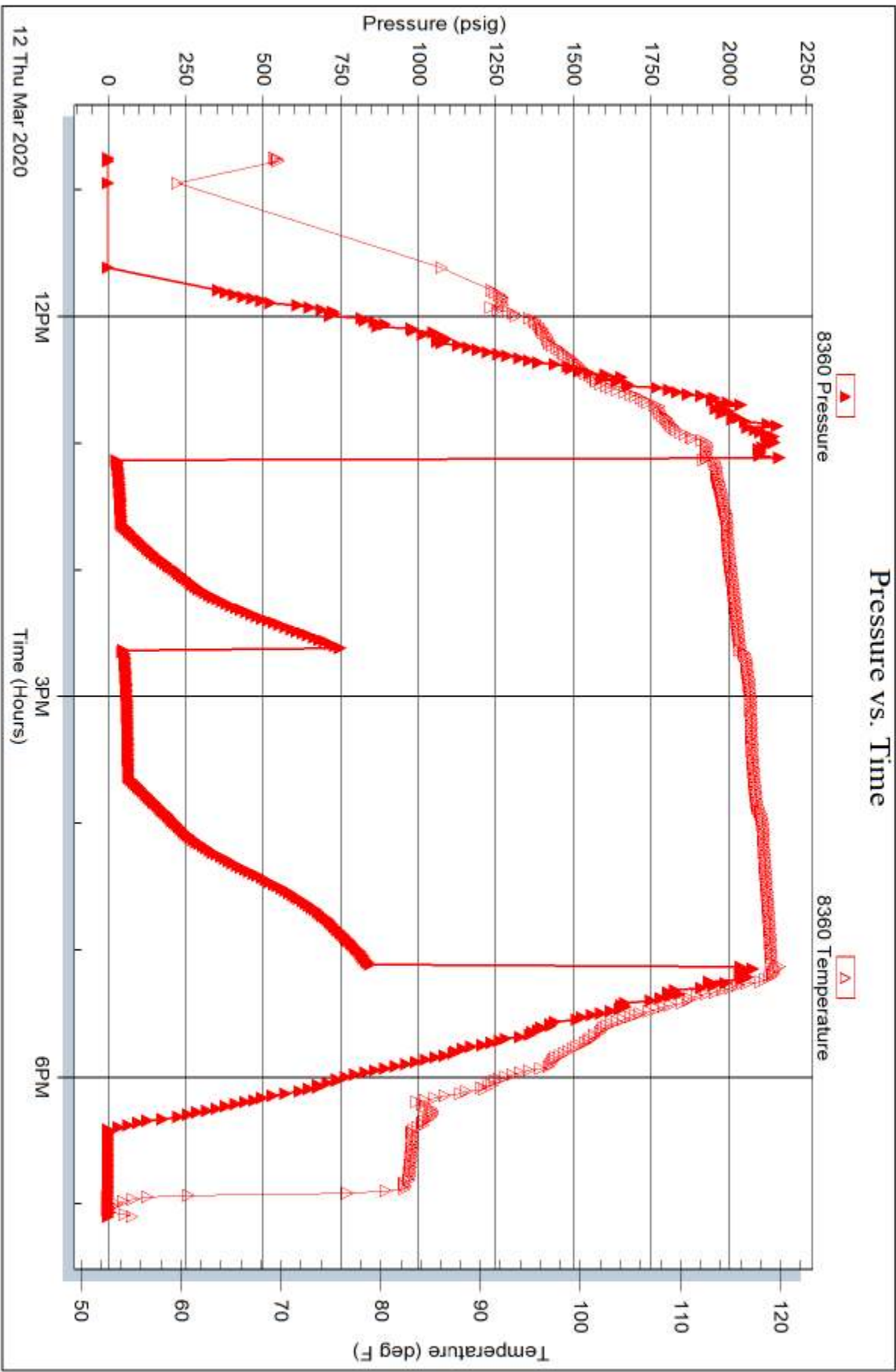
Serial #: 8360

Inside

Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66854

DST#: 2

Test Start: 2020.03.13 @ 16:03:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:11:45

Time Test Ended: 22:13:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4383.00 ft (KB) To 4418.00 ft (KB) (TVD)

Total Depth: 4418.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2366.00 ft (KB)

2359.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8671 Outside

Press@RunDepth: 24.24 psig @ 4384.00 ft (KB)

Start Date: 2020.03.13

End Date:

2020.03.13

Start Time: 16:03:05

End Time:

22:12:59

Capacity: 8000.00 psig

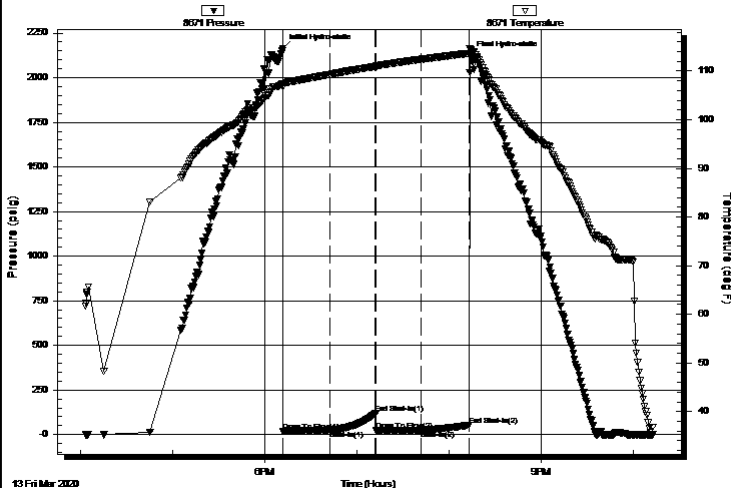
Last Calib.: 2020.03.13

Time On Btm: 2020.03.13 @ 18:11:30

Time Off Btm: 2020.03.13 @ 20:14:00

TEST COMMENT: 30 - IF - Blow built up to 3/4" then died off to 1/4"
30 - ISI - No Return
30 - FF - Blow started at a faint blow then died off in 15 mins.
30 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2164.04	107.42	Initial Hydro-static
1	19.12	106.83	Open To Flow (1)
31	23.03	109.32	Shut-In(1)
61	118.99	110.94	End Shut-In(1)
61	22.55	110.94	Open To Flow (2)
91	24.24	112.40	Shut-In(2)
122	53.23	113.64	End Shut-In(2)
123	2124.56	114.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - Oil Spots - 100% m	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66854

DST#: 2

Test Start: 2020.03.13 @ 16:03:00

GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:11:45

Time Test Ended: 22:13:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4383.00 ft (KB) To 4418.00 ft (KB) (TVD)

Total Depth: 4418.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2366.00 ft (KB)

2359.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8360 Inside

Press@RunDepth: psig @ 4384.00 ft (KB)

Start Date: 2020.03.13

End Date:

2020.03.13

Start Time: 16:03:05

End Time:

22:13:14

Capacity: 8000.00 psig

Last Calib.:

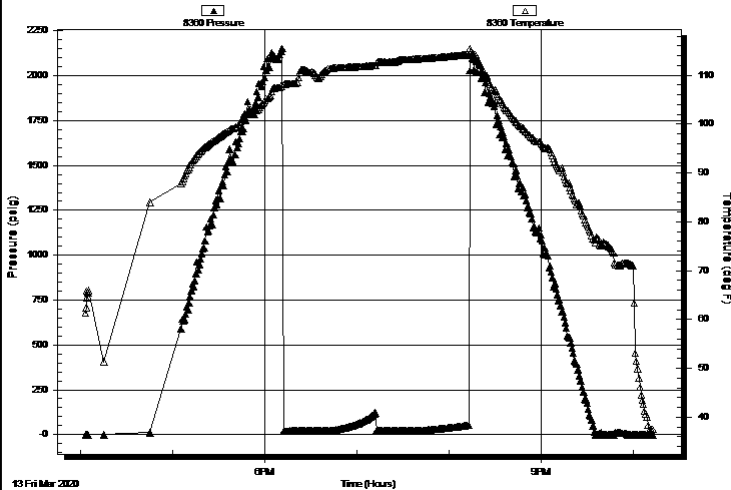
2020.03.13

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF - Blow built up to 3/4" then died off to 1/4"
30 - ISI - No Return
30 - FF - Blow started at a faint blow then died off in 15 mins.
30 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
5.00	OSM - Oil Spots - 100% m	0.02

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
w ichta Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66854

DST#: 2

Test Start: 2020.03.13 @ 16:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 10.39 in³

Resistivity: ohm.m

Salinity: 6900.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

deg API

ppm

Recovery Information

Recovery Table

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

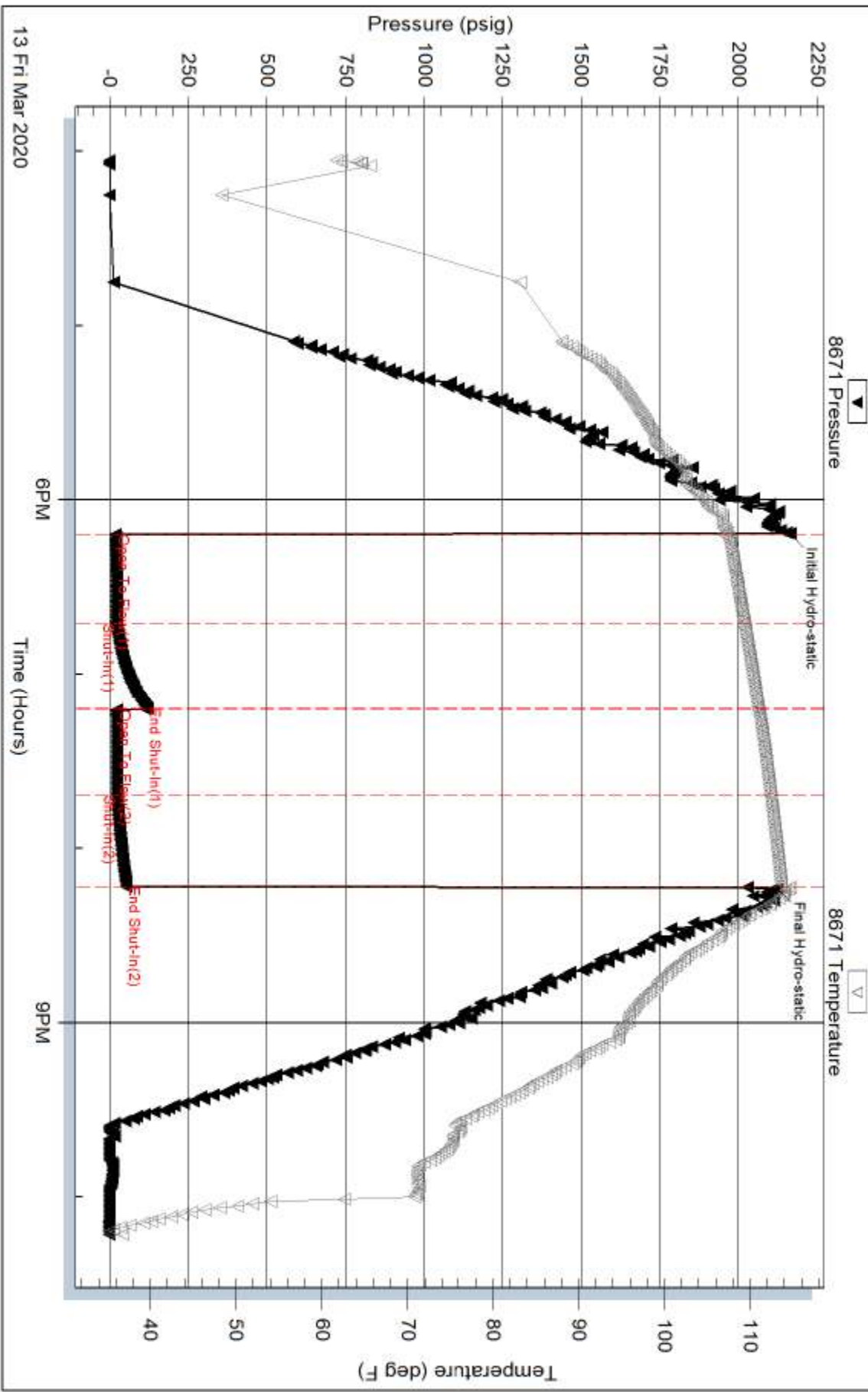
Serial #: 8671

Outside Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 2

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 66854

Printed: 2020.03.13 @ 22:46:34

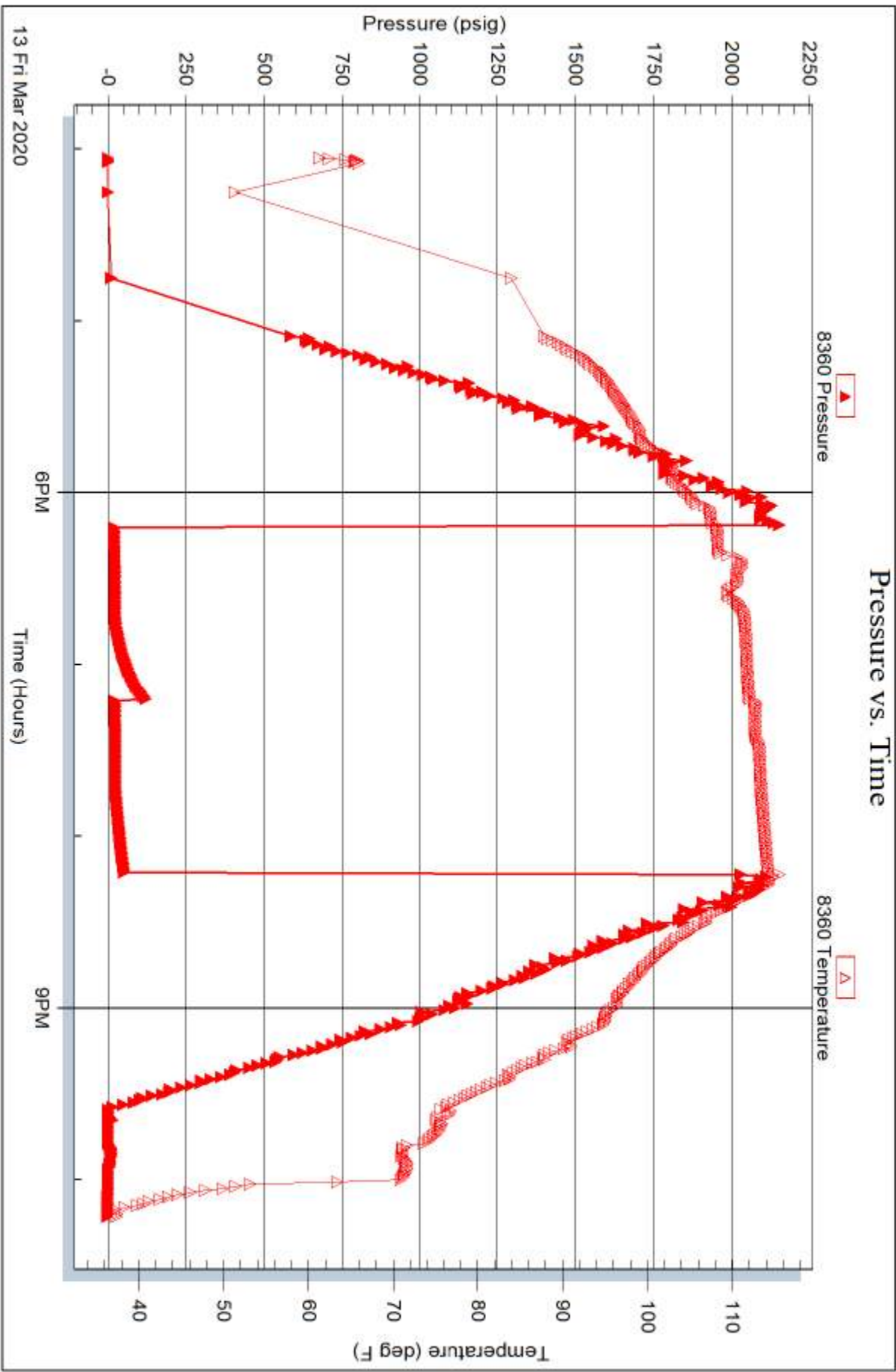
Serial #: 8360

Inside

Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 2





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66855

DST#: 3

Test Start: 2020.03.14 @ 06:32:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:59:30

Time Test Ended: 15:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4384.00 ft (KB) To 4423.00 ft (KB) (TVD)

Reference Elevations: 2366.00 ft (KB)

Total Depth: 4423.00 ft (KB) (TVD)

2359.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8671 Outside

Press@RunDepth: 65.46 psig @ 4385.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.14

End Date:

2020.03.14

Last Calib.: 2020.03.14

Start Time: 06:32:05

End Time:

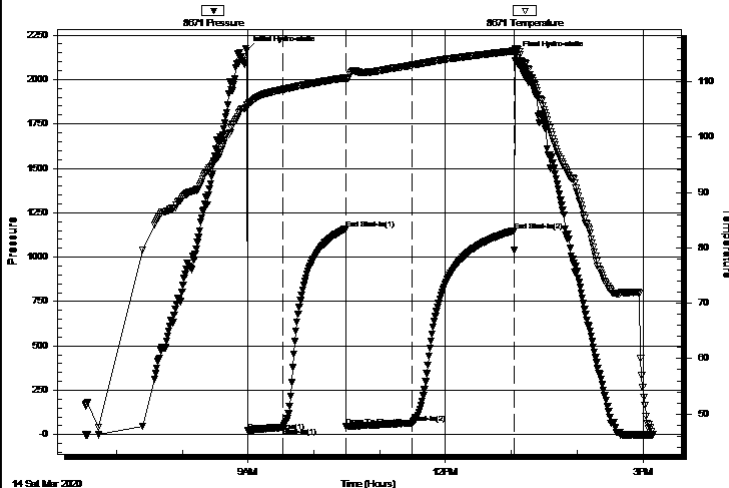
15:09:30

Time On Btm: 2020.03.14 @ 08:59:00

Time Off Btm: 2020.03.14 @ 13:04:00

TEST COMMENT: 30 - IF - Blow slowly built up to 1 1/2"
60 - ISI - No Return
60 - FF - Startd with a weak blow and slowly built up to 1 1/4"
90 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2161.63	105.87	Initial Hydro-static
1	21.04	105.46	Open To Flow (1)
33	40.66	108.58	Shut-In(1)
90	1158.70	110.70	End Shut-In(1)
91	45.42	110.30	Open To Flow (2)
151	65.46	112.98	Shut-In(2)
244	1147.25	115.54	End Shut-In(2)
245	2134.46	116.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
103.00	OCM - 10%o - 90%o	0.51
15.00	Free Oil - 100%o	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66855

DST#: 3

Test Start: 2020.03.14 @ 06:32:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:59:30

Time Test Ended: 15:09:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4384.00 ft (KB) To 4423.00 ft (KB) (TVD)

Total Depth: 4423.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2366.00 ft (KB)

2359.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8360 Inside

Press@RunDepth: psig @ 4385.00 ft (KB)

Start Date: 2020.03.14

End Date:

2020.03.14

Start Time: 06:32:05

End Time:

15:09:30

Capacity: 8000.00 psig

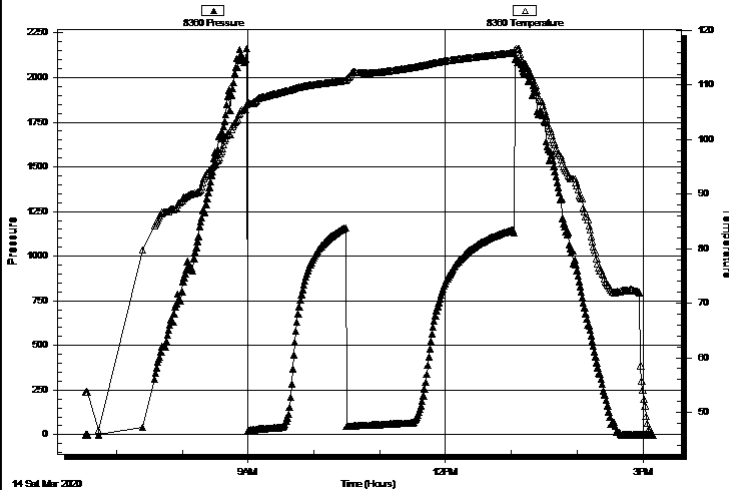
Last Calib.: 2020.03.14

Time On Btm:

Time Off Btm:

TEST COMMENT: 30 - IF - Blow slowly built up to 1 1/2"
60 - ISI - No Return
60 - FF - Startd with a weak blow and slowly built up to 1 1/4"
90 - FSI - No Return

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
103.00	OCM - 10%o - 90% m	0.51
15.00	Free Oil - 100% o	0.07

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
w ichta Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66855

DST#: 3

Test Start: 2020.03.14 @ 06:32:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 13.19 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

35 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
103.00	OCM - 10%o - 90%m	0.507
15.00	Free Oil - 100%o	0.074

Total Length: 118.00 ft

Total Volume: 0.581 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

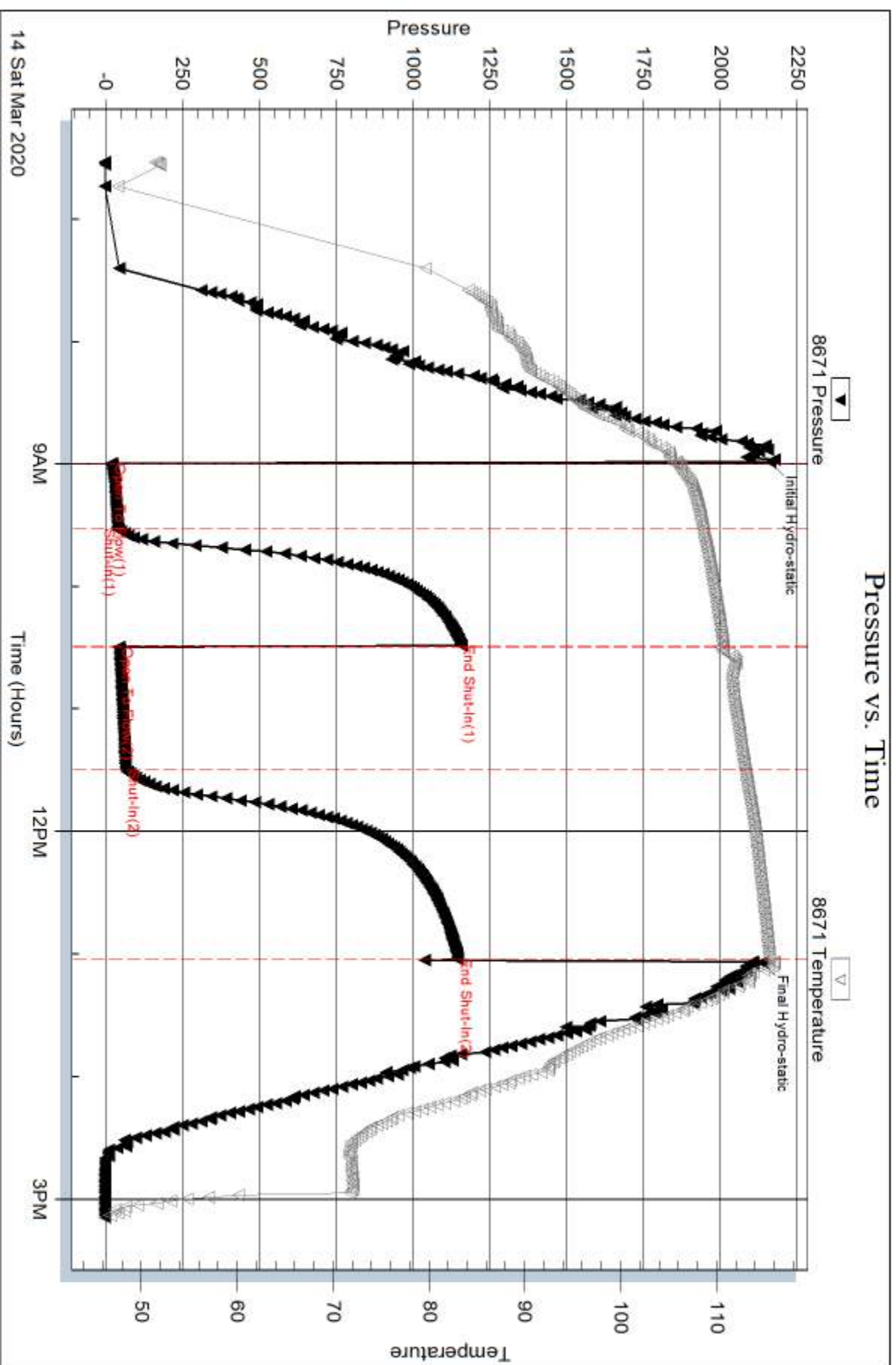
Recovery Comments:

Serial #: 8671

Outside Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 3



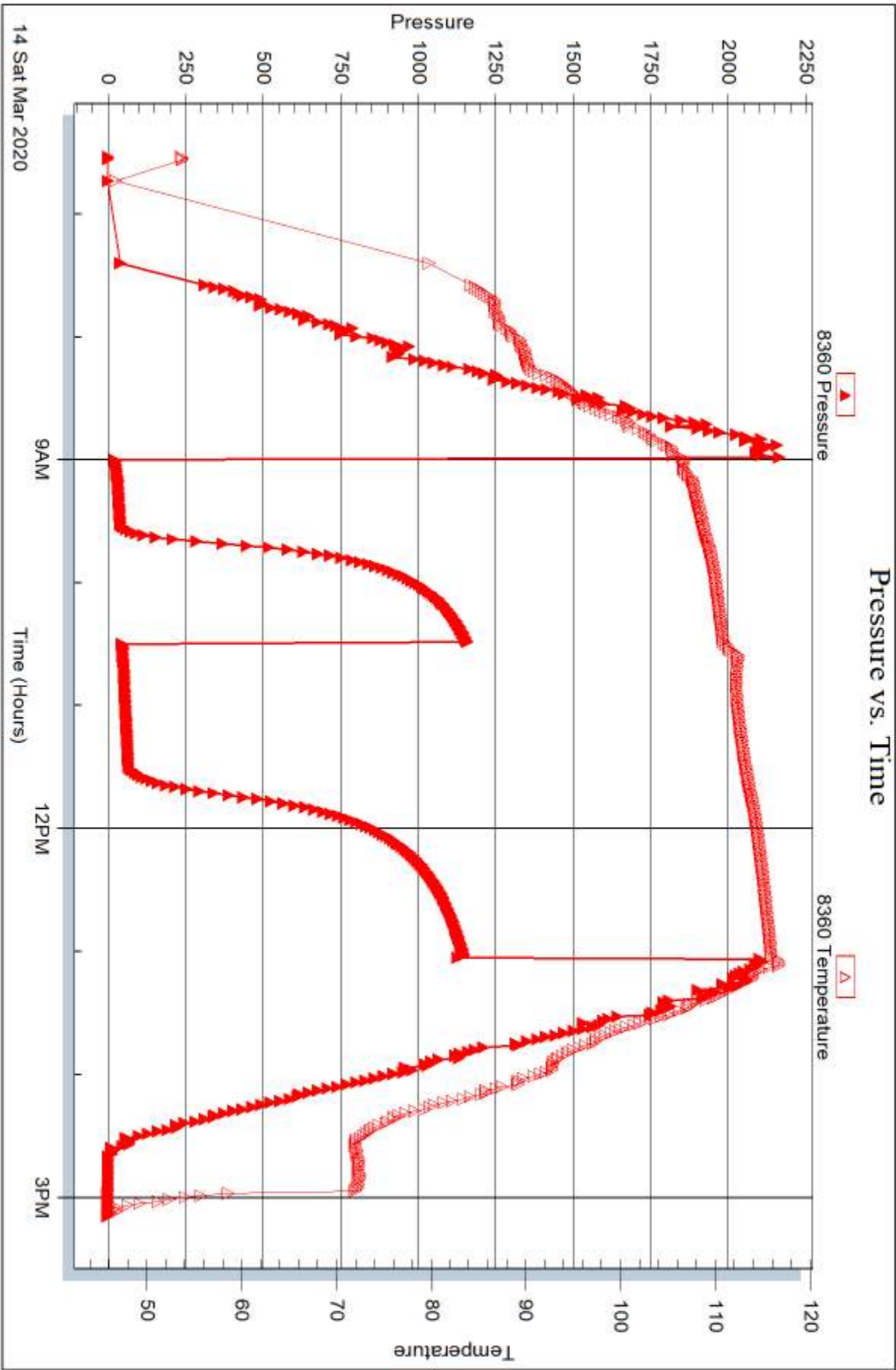
Serial #: 8360

Inside

Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 3





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
w ichta Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66856

DST#: 4

Test Start: 2020.03.14 @ 21:51:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 02:24:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4385.00 ft (KB) To 4428.00 ft (KB) (TVD)

Total Depth: 4428.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2366.00 ft (KB)

2359.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8671 Outside

Press@RunDepth: psig @ 4419.00 ft (KB)

Start Date: 2020.03.14

End Date:

2020.03.15

Start Time: 21:51:05

End Time:

02:24:14

Capacity: 8000.00 psig

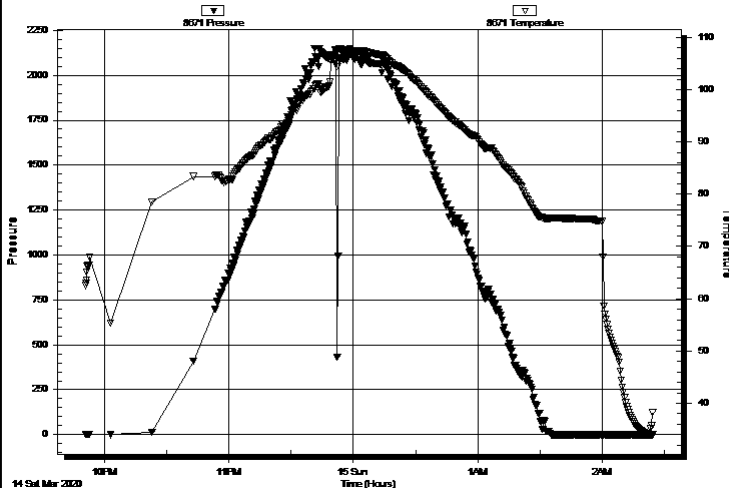
Last Calib.: 2020.03.15

Time On Btm:

Time Off Btm:

TEST COMMENT: Packer Failure

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66856

DST#: 4

Test Start: 2020.03.14 @ 21:51:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened:

Time Test Ended: 02:24:15

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4385.00 ft (KB) To 4428.00 ft (KB) (TVD)

Total Depth: 4428.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Poor

Reference Elevations: 2366.00 ft (KB)

2359.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8360 Inside

Press@RunDepth: psig @ 4419.00 ft (KB)

Start Date: 2020.03.14

End Date:

2020.03.15

Start Time: 21:51:05

End Time:

02:24:29

Capacity: 8000.00 psig

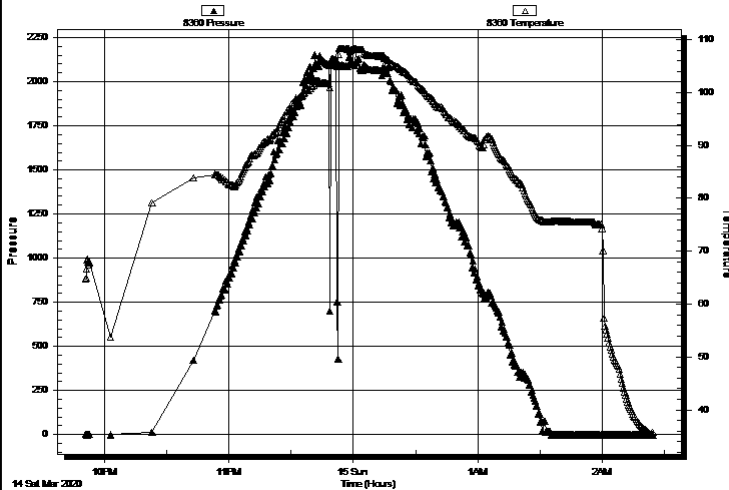
Last Calib.: 2020.03.15

Time On Btm:

Time Off Btm:

TEST COMMENT: Packer Failure

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates

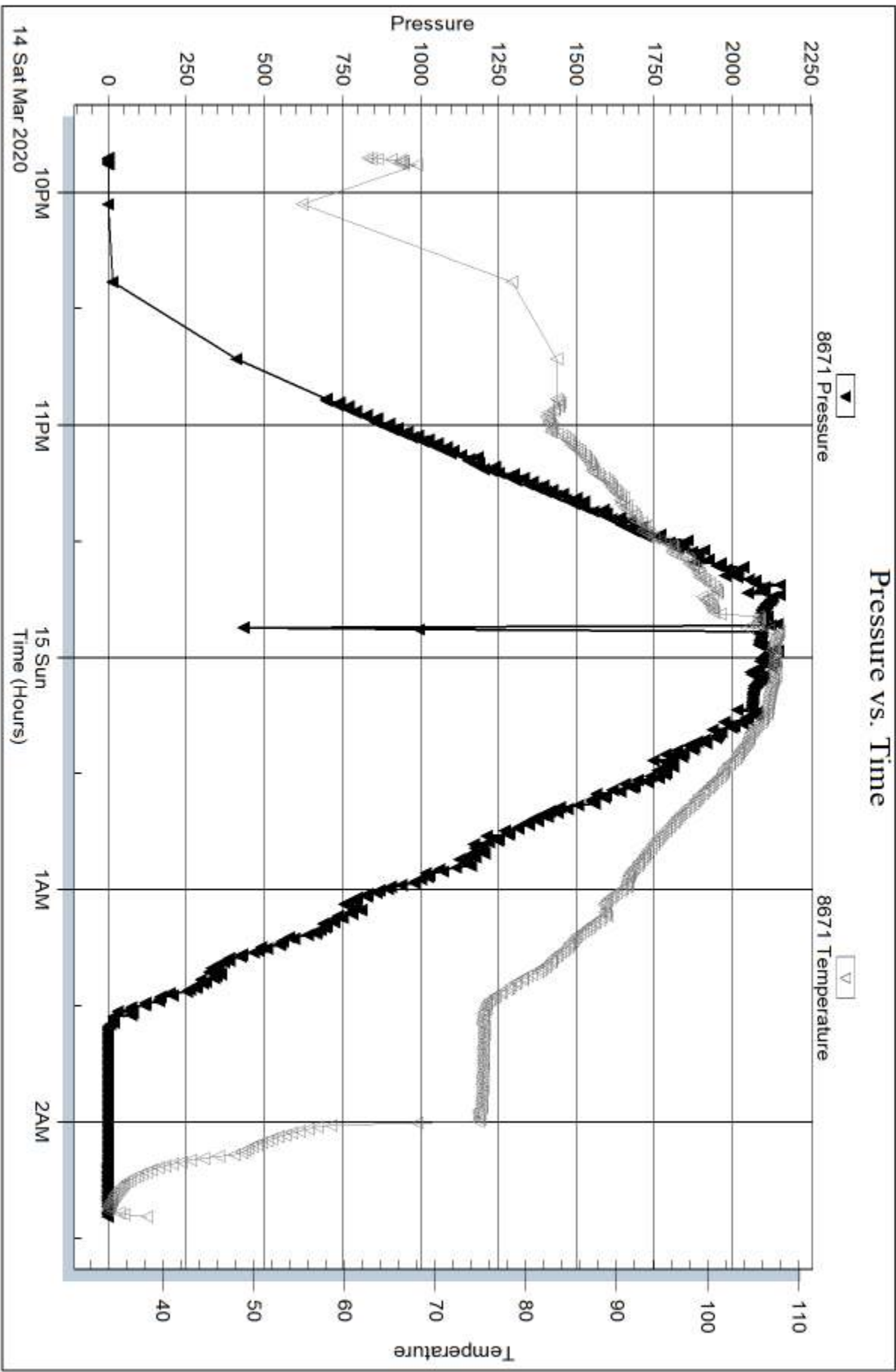
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
--	----------------	-----------------	------------------

Serial #: 8671

Outside Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 4



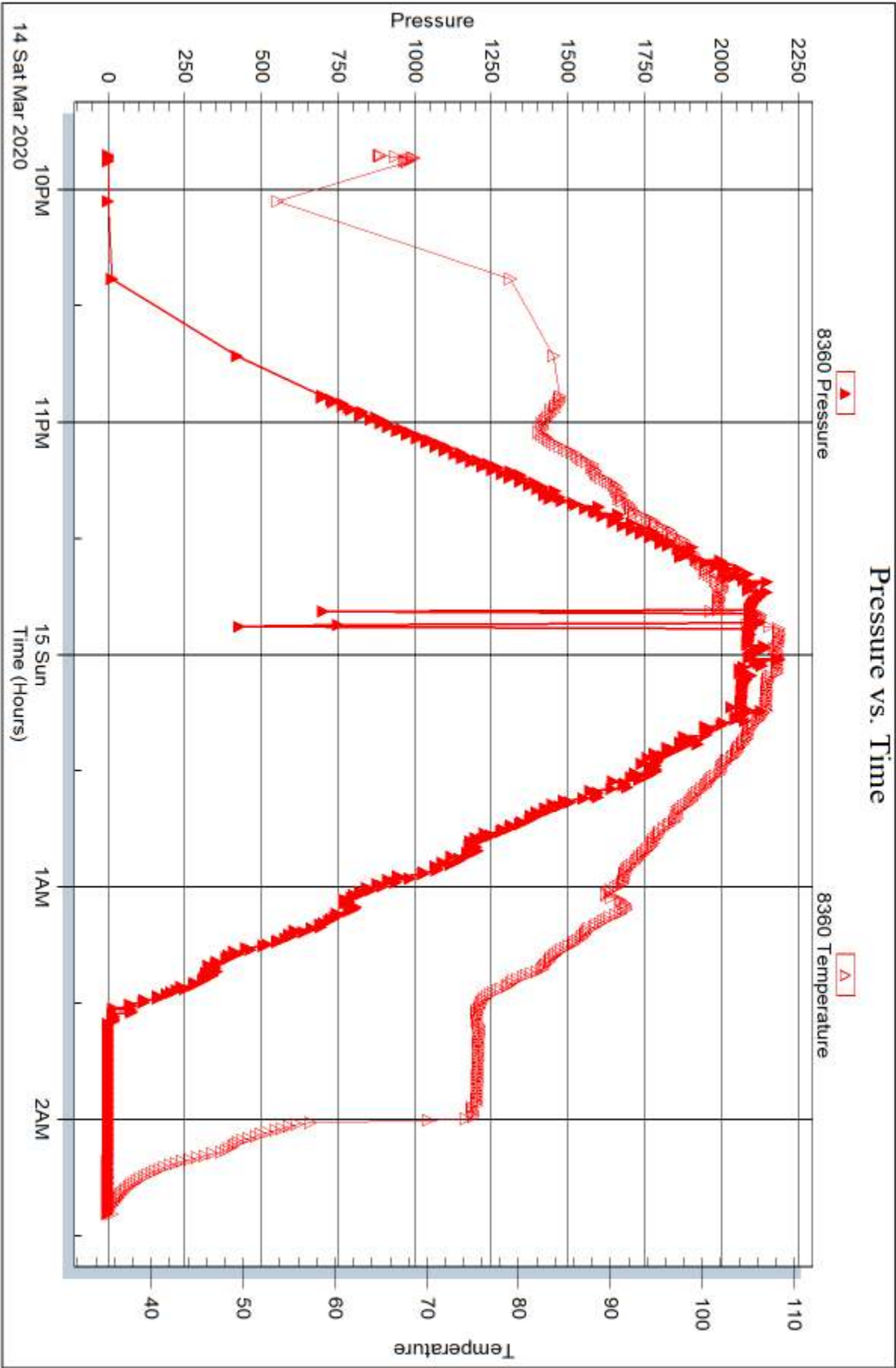
Serial #: 8360

Inside

Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 4





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66857

DST#: 5

Test Start: 2020.03.15 @ 02:38:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:30

Time Test Ended: 11:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4410.00 ft (KB) To 4428.00 ft (KB) (TVD)

Reference Elevations: 2366.00 ft (KB)

Total Depth: 4428.00 ft (KB) (TVD)

2359.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8671 Outside

Press@RunDepth: 122.13 psig @ 4411.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.15

End Date:

2020.03.15

Last Calib.: 2020.03.15

Start Time: 02:38:05

End Time:

11:09:59

Time On Btm: 2020.03.15 @ 04:26:15

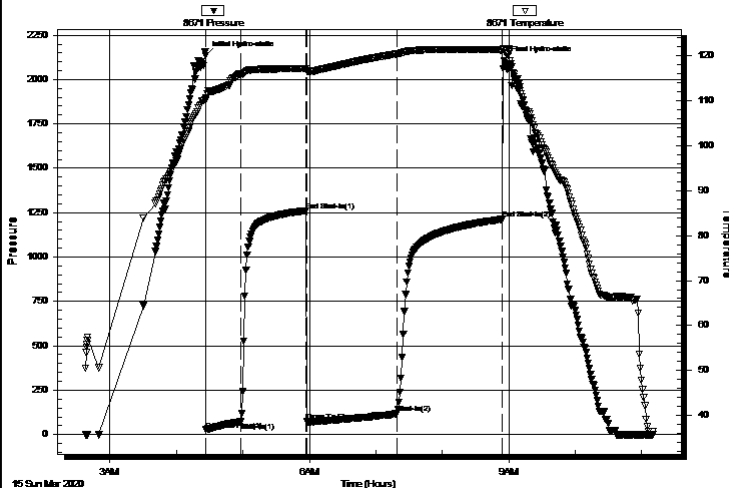
Time Off Btm: 2020.03.15 @ 08:55:45

TEST COMMENT: 30 - IF - Surface blow slowly built up to 5 1/2"

60 - ISI - No Return

80 - FF - Surface blow slowly built up to 7" - thought tool was shut in had to give it an extra turn that's why we ran 80 on the Final Flow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2136.21	110.50	Initial Hydro-static
1	26.21	110.14	Open To Flow (1)
32	71.31	116.08	Shut-In(1)
91	1261.26	117.13	End Shut-In(1)
92	74.23	116.61	Open To Flow (2)
173	122.13	120.40	Shut-In(2)
268	1212.95	121.27	End Shut-In(2)
270	2107.77	121.23	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
118.00	OCWM - 40%o - 5%w - 55%m	0.58
124.00	Free Oil - 100%o	1.27

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
Wichita Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66857

DST#: 5

Test Start: 2020.03.15 @ 02:38:00

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:26:30

Time Test Ended: 11:10:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Royal Fisher

Unit No: #77

Interval: 4410.00 ft (KB) To 4428.00 ft (KB) (TVD)

Reference Elevations: 2366.00 ft (KB)

Total Depth: 4428.00 ft (KB) (TVD)

2359.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 7.00 ft

Serial #: 8360 Inside

Press@RunDepth: psig @ 4411.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2020.03.15

End Date:

2020.03.15

Last Calib.:

2020.03.15

Start Time: 02:38:05

End Time:

11:09:59

Time On Btm:

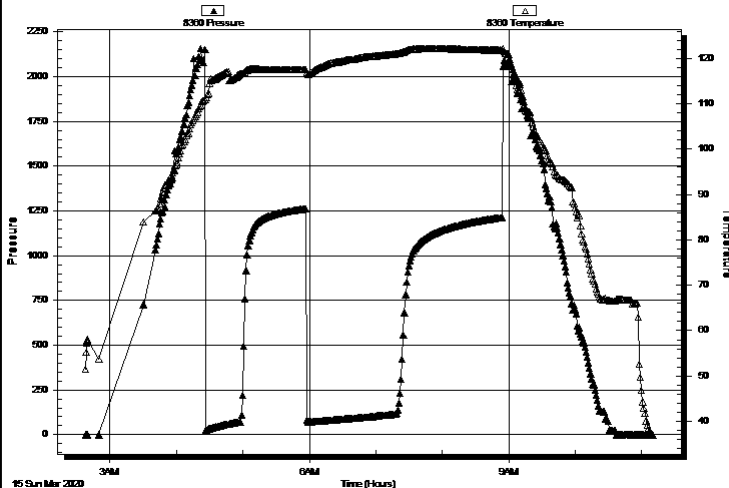
Time Off Btm:

TEST COMMENT: 30 - IF - Surface blow slowly built up to 5 1/2"

60 - ISI - No Return

80 - FF - Surface blow slowly built up to 7" - thought tool was shut in had to give it an extra turn that's why we ran 80 on the Final Flow.

Pressure vs. Time



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
118.00	OCWM - 40%o - 5%w - 55%m	0.58
124.00	Free Oil - 100%o	1.27

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Eagle Creek Corp.

2 - 20S - 25W

8100 E 22nd St. N., Bldg 1500
Ste A
w ichta Ks 67226
ATTN: Bob O'Dell

Hoss Unit #1-2

Job Ticket: 66857

DST#: 5

Test Start: 2020.03.15 @ 02:38:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 55.00 sec/qt

Water Loss: 13.19 in³

Resistivity: ohm.m

Salinity: 8000.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

ft

bbl

psig

Oil API:

Water Salinity:

36 deg API

ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
118.00	OCWM - 40%o - 5%w - 55%m	0.580
124.00	Free Oil - 100%o	1.271

Total Length: 242.00 ft

Total Volume: 1.851 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

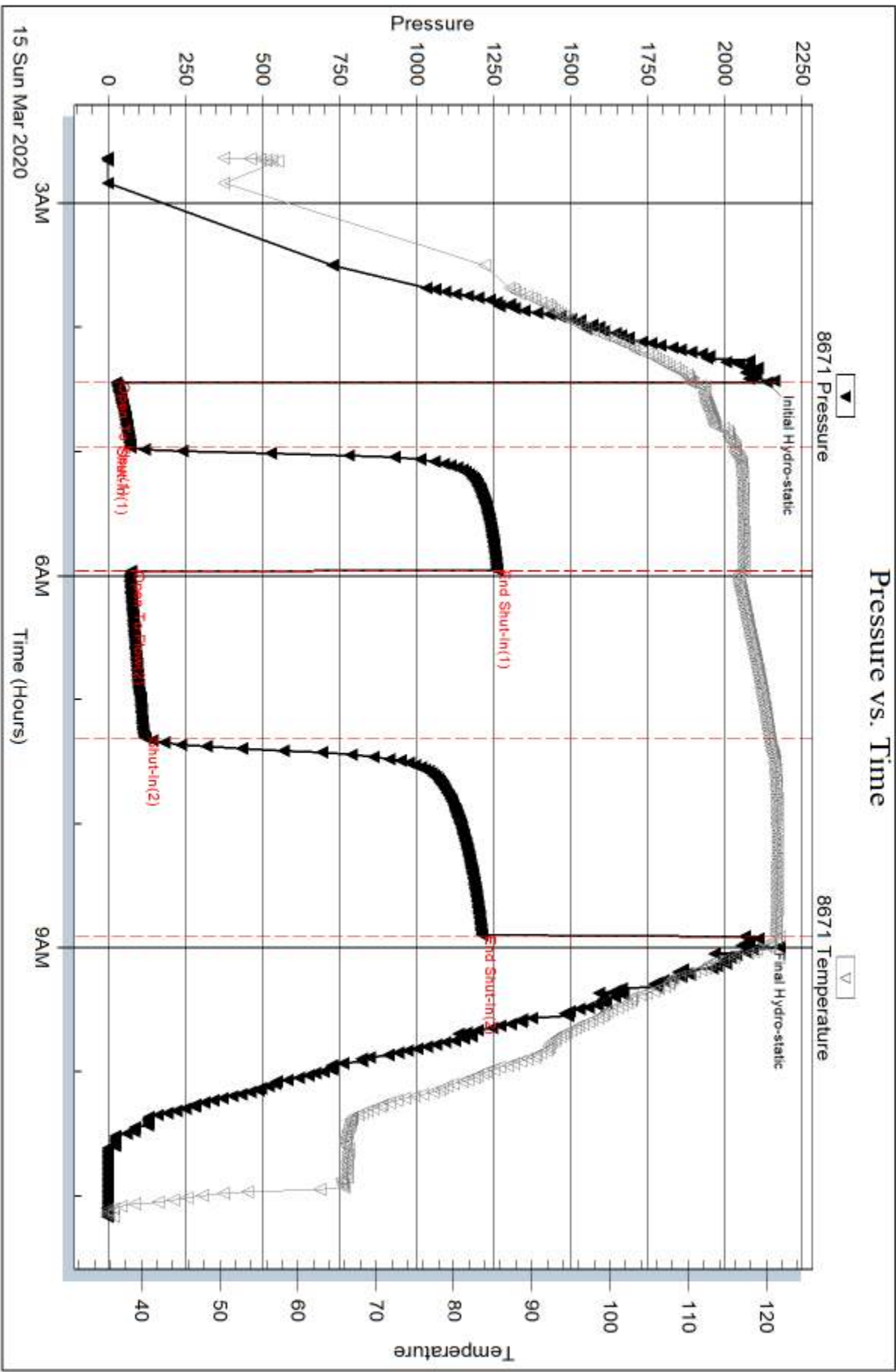
Recovery Comments:

Serial #: 8671

Outside Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 5



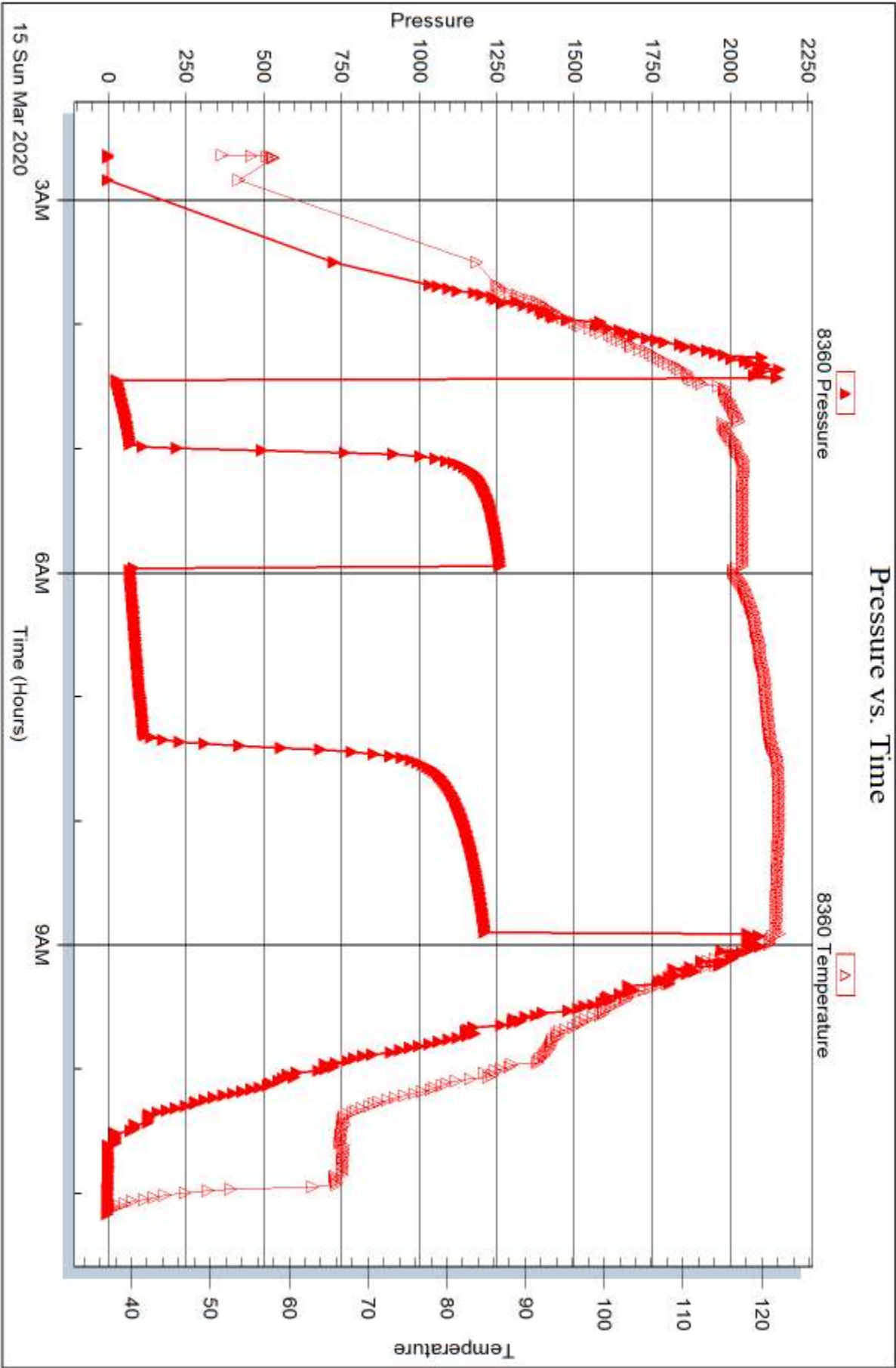
Serial #: 8360

Inside

Eagle Creek Corp.

Hoss Unit #1-2

DST Test Number: 5



Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Susan K. Duffy, Chair
Dwight D. Keen, Commissioner
Andrew J. French, Commissioner

Laura Kelly, Governor

July 13, 2020

Dave Callewaert
Eagle Creek Corporation
8100 E. 22ND ST. N., BLDG 1500 STE A
WICHITA, KS 67226-2388

Re: ACO-1
API 15-135-26092-00-00
HOSS UNIT 1-2
SE/4 Sec.02-20S-25W
Ness County, Kansas

Dear Dave Callewaert:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 03/06/2020 and the ACO-1 was received on July 13, 2020 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

ROBERT E. O'DELL
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY **Eagle Creek Corporation**

LEASE **Hoss Unit #1-2**

FIELD **Wesley Southwest**

LOCATION **1672' FSL & 150' FEL**

SEC **2** TWPSP **20S** RGE **25W**

COUNTY **Wichita** STATE **Kansas**

CONTRACTOR **WVW Drilling Rtg 102**

SPUD **3-7-2020** COMP **3-15-2020**

RTD **4428'** LID **4425'**

MUD UP **3500'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **3600'** TO RTD

DRILLING TIME KEPT FROM **3500'** TO RTD

SAMPLES EXAMINED FROM **3600'** TO RTD

GEOLOGICAL SUPERVISION FROM **3640'** to RTD

GEOLOGIST ON WELL **Bob O'Dell**

ELEVATIONS

KB **2366'**

DF **_____**

GL **2361'**

Measurements Are All From **KB**

CASING

CONDUCTOR

SURFACE **8-508' @ 801'**

PRODUCTION **5-112' @ 4415'**

ELECTRICAL SURVEYS

Dual Induction CINCOD

Misc **_____**

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Anhydrite **1619' (+ 747')** **1623' (+ 743')**

Heebner Shale **3753' (-1387')** **3757' (-1391')**

Lansing **3797' (-1431')** **3796' (-1430')**

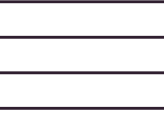
Fort Scott **4308' (-1942')** **4309' (-1943')**

Cherokee Shale **4332' (-1966')** **4334' (-1968')**

Basal Penn. Lime **4378' (-2012')** **4385' (-2019')**

Mississippian **4402' (-2036')** **4403' (-2037')**

Total Depth **4425' (-2059')** **4428' (-2062')**



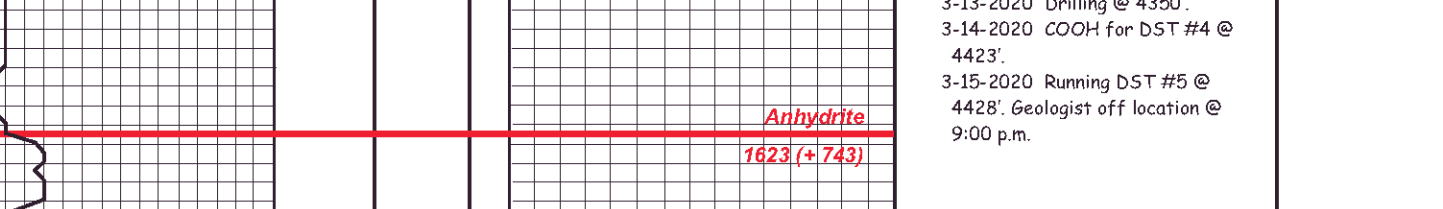
REMARKS

Due to the positive drillstem test in the Mississippian dolomite, decision was made to set 5-1/2" production casing and attempt an open hole completion.

Respectfully Submitted,

Bob O'Dell
Geologist-wellsite
March 15, 2020

LEGEND



DRILLING TIME IN MINUTES PER FOOT
Rate of Penetration Decreases

DEPTH

LITHOLOGY

GAS SCALE

SAMPLE DESCRIPTION

REMARKS

1600

50

1700

50

3500

50

3600

50

3700

50

3800

50

3900

50

4000

50

4100

50

4200

50

4300

50

4400

50

4428' (-2062')

4425' (-2059')

4403' (-2037')

4334' (-1968')

4309' (-1943')

4109' (-1943')

4092' (-1726)

4067' (-1691)

4057' (-1681)

4052' (-1676)

4047' (-1671)

4042' (-1666)

4037' (-1661)

4032' (-1656)

4027' (-1651)

4022' (-1646)

4017' (-1641)

4012' (-1636)

4007' (-1631)

4002' (-1626)

3997' (-1621)

3992' (-1616)

3987' (-1611)

3982' (-1606)

3977' (-1601)

3972' (-1596)

3967' (-1591)

3962' (-1586)

3957' (-1581)

3952' (-1576)

3947' (-1571)

3942' (-1566)

3937' (-1561)

3932' (-1556)

3927' (-1551)

3922' (-1546)

3917' (-1541)

3912' (-1536)

3907' (-1531)

3902' (-1526)

3897' (-1521)

3892' (-1516)

3887' (-1511)

3882' (-1506)

3877' (-1501)

3872' (-1496)

3867' (-1491)

3862' (-1486)

3857' (-1481)

3852' (-1476)

3847' (-1471)

3842' (-1466)

3837' (-1461)

3832' (-1456)

3827' (-1451)

3822' (-1446)

3817' (-1441)

3812' (-1436)

3807' (-1431)

3802' (-1426)

3797' (-1421)

3792' (-1416)

3787' (-1411)

3782' (-1406)

3777' (-1401)

3772' (-1396)

3767' (-1391)

3762' (-1386)

3757' (-1381)

3752' (-1376)

3747' (-1371)

3742' (-1366)

3737' (-1361)

3732' (-1356)

3727' (-1351)

3722' (-1346)

3717' (-1341)

3712' (-1336)

3707' (-1331)

3702' (-1326)

3697' (-1321)

3692' (-1316)

3687' (-1311)

3682' (-1306)

3677' (-1301)

3672' (-1296)

3667' (-1291)

3662' (-1286)

3657' (-1281)

3652' (-1276)

3647' (-1271)

3642' (-1266)

3637' (-1261)

3632' (-1256)

3627' (-1251)

3622' (-1246)

3617' (-1241)

3612' (-1236)

3607' (-1231)

3602' (-1226)

3597' (-1221)

3592' (-1216)

3587' (-1211)

3582' (-1206)

3577' (-1201)

3572' (-1196)

3567' (-1191)

3562' (-1186)

3557' (-1181)

3552' (-1176)

3547' (-1171)

3542' (-1166)

3537' (-1161)

3532' (-1156)

3527' (-1151)

3522' (-1146)

3517' (-1141)

3512' (-1136)

3507' (-1131)

3502' (-1126)

3497' (-1121)

3492' (-1116)

3487' (-1111)

3482' (-1106)

3477' (-1101)

3472' (-1096)

3467' (-1091)

3462' (-1086)

3457' (-1081)

3452' (-1076)

3447' (-1071)

3442' (-1066)

3437' (-1061)

3432' (-1056)

3427' (-1051)

3422' (-1046)

3417' (-1041)

3412' (-1036)

3407' (-1031)

3402' (-1026)

3397' (-1021)

3392' (-1016)

3387' (-1011)

3382' (-1006)

3377' (-1001)

3372' (-996)

3367' (-991)

3362' (-986)

3357' (-981)

3352' (-976)

3347' (-971)

3342' (-966)

3337' (-961)

3332' (-956)

3327' (-951)

3322' (-946)

3317' (-941)

3312' (-936)

3307' (-931)

3302' (-926)

3297' (-921)

3292' (-916)

3287' (-911)

3282' (-906)

3277' (-901)

3272' (-896)

3267' (-891)

3262' (-886)

3257' (-881)

3252' (-876)

3247' (-871)

3242' (-866)

3237' (-861)

3232' (-856)

3227' (-851)

3222' (-846)

3217' (-841)

3212' (-836)

3207' (-831)

3202' (-826)

3197' (-821)

3192' (-816)

3187' (-811)

3182' (-806)

3177' (-801)

3172' (-796)

3167' (-791)

3162' (-786)

3157' (-781)

3152' (-776)

3147' (-771)

3142' (-766)

3137' (-761)

3132' (-756)

3127' (-751)

3122' (-746)

3117' (-741)

3112' (-736)

3107' (-731)

3102' (-726)

3097' (-721)

3092' (-716)

3087' (-711)

3082' (-706)

3077' (-701)

3072' (-696)

3067' (-691)

3062' (-686)

JOB LOG

SWIFT Services, Inc.

DATE

16 MAR 20

PAGE NO.

1

CUSTOMER

Eagle Creek

WELL NO.

1-2

LEASE

Hoss 1/2

JOB TYPE

2 stage long string

TICKET NO.

33055

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								150 sk SMD cement @ 150 sk EA-2 cement 104 jts 5 1/2" x 15.5" casing 4421' ID= 4428 Shoe it 209' packer shoe DV tool - 1618' Centralizer 6, 8, 69, 75 Boreat 5, 69
	0330							on ice TRK 114
	0500							Start 5 1/2" x 15.5" casing in well
	0730							circulate well
						1100		Drop ball - set packer shoe
	0845	3 1/2	12			200		Plug 20 gal multiflash
		3 1/2	20			200		Plug 20 bbl KCL fluid
	0900	7						Plug RH 3054
		4	26			200		Mix SMD cement @ 2054 @ 15 3 ppg
	0922	6				250		Drop 1st stage plug - and not pump line
		6	87			800		Displace 1st stage plug
	0940	6	105			1500		Plug down - release pump to truck clean up
	0944							Drop ball
	0955					1200		open DV tool - circulating
	1000	5				200		Mix SMD cement @ 1054 @ 11.2 ppg
		5	83			350		Drop 2nd stage plug
		3 1/2				200		Displace 2nd stage cement
			26					→ cement to surface ←
								(2054 to 5 ppg)
	1045					1300		Land plug - close DV
								Release pressure to truck - dried up
								Wash truck
								Rack up
	1120							job complete



Schmidt Engineering, Inc.

1321 West 93rd North • Valley Center, Kansas • 67147 • (316) 755-3523

EAGLE CREEK CORPORATION

Hoss Unit #1-2
Sec. 2, T20S-R25W
Ness County Kansas

Production Casing Report

3/15/20: 8:30 PM: Logs out. RIH w/ drill pipe, circulate 45 min.
POH laying down drill pipe w/ Shane's Casing assist. RU Shane's Casing crew.

3/16/20: 3:00 AM: Run in 107 new jts MW 5.5" 15.5# casing as follows:

1 -	5.5" PKR shoe	3.58
1 -	5.5" Shoe Jt.	20.90
1 -	Latch Down Plate	0.00
56 -	Jts. 5.5" 15.5# Casing	2774.93
1 -	DV Tool	2.25
54 -	Jts. 5.5" 15.5# Casing	1616.37
	Total	4418.03
	Less rig spacing	2.00
	Casing Set @	4416.03

Tag bottom @ 4425.66 w/ 24.25' of tag jt. Land csg @ 4416.03 w/ collar 1' above Kelly. DV Tool @ 1616'. PBTD @ 4416'. Basket @ 4391', 1627'. Centralizers @ 4391', 4311', 4226', 1627', 1397'. Release Shane's.

7:30 AM Break circulation. Vis @ 90. Circulate Desco premix 1 hr. conditioning mud to 42 vis. Drop ball, set pkr. Pump 500 gal mud flush package, 20 bbl KCL flush. Plug rat hole w/ 30 sxs EA2 cement. Mix & pump 120 sxs EA 2 @ 15.3 ppg. Drop 1st stage plug. Clear pump, displace plug, lift pressure increasing to 800#, land plug @ 9:40 AM with 1500#. Release - held. Good returns throughout. Drop bomb and open DV tool @ 1200#, circulating. Mix & pump 150 sxs SMD cement @ 11.2 ppg. Wash up lines, drop 2nd stage plug, displace cement with 350# lift pressure. Land plug w/ 1300# at 10:45 AM. Close DV. Released pressure to truck, plug held. Approx 30 bbl cement to pit. Good returns throughout. Jet cellar & set slips.

JOB COMPLETE

for

**Bill Schmidt
Field Supervisor**

