

Form	ACO1 - Well Completion
Operator	Schippers Oilfield Services, LLC
Well Name	MARK ALLEN 1
Doc ID	1833702

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	8.265	23	279	common	200	3%cc

Sean P. Deenihan
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

COMPANY Schippers Oilfield Services, LLC

LEASE Mark Allen #1

FIELD Wildcat

LOCATION 2210' FSL & 1940' FEL

SEC 17 TWP 6S RGE 29W

COUNTY Sheridan STATE Kansas

CONTRACTOR STP Drilling Rig #1

SPUD 10/05/24 COMP 10/14/24

RTD 4173' LTD 4175'

MUD UP 3400' TYPE MUD Chemical

SAMPLES SAVED FROM 3600' TO RTD

DRILLING TIME KEPT FROM 3600' TO RTD

SAMPLES EXAMINED FROM 3400' TO RTD

GEOLOGICAL SUPERVISION FROM 3400'

REFERENCE WELL

ELEVATIONS
KB 2840'

DF

GL 2833'

Measurements Are All
From Kelly Bushing

CASING

CONDUCTOR

SURFACE 8-5/8" at 278'

PRODUCTION

ELECTRICAL
SURVEYS
ELI Wireline
CND/DIL

Formation

Sample Tops

E-log Tops

Struct
Pos.

Heebner Sh.

Lansing

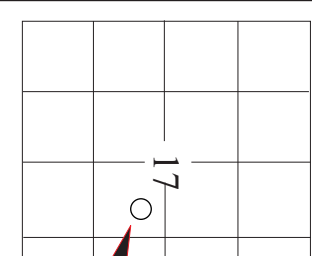
Stark Shale

3940 (-1100)

3954 (-1114)

4118 (-1278)

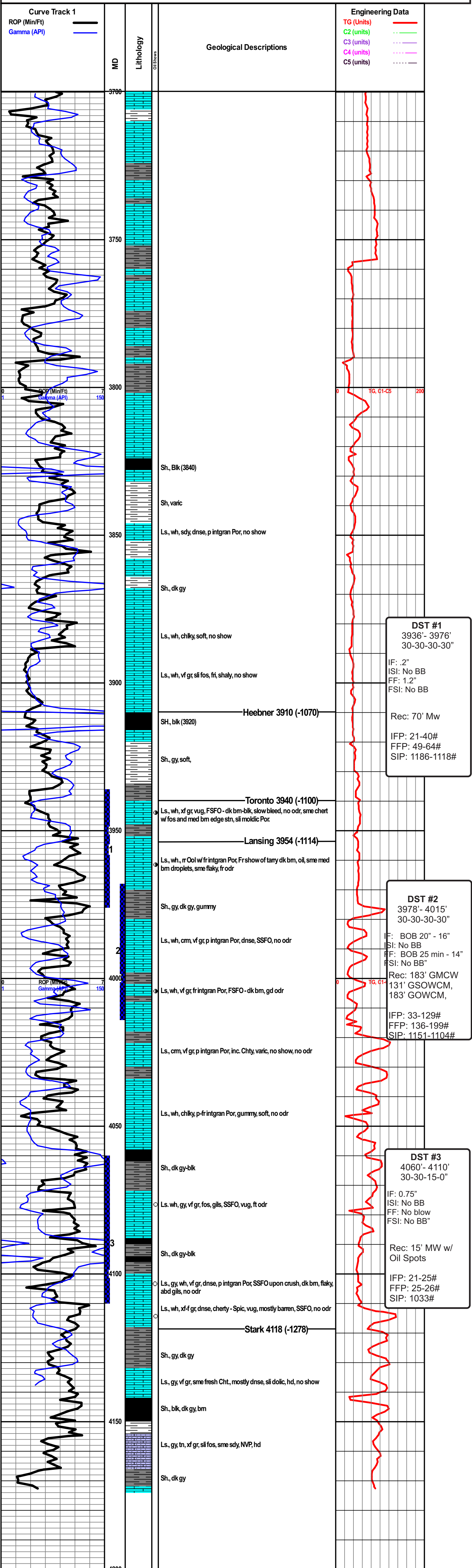
17



REMARKS The Mark Allen #1 had several oil and gas shows in the samples.
DST results condemned this well. Therefore, this well was plugged and abandoned

Respectfully Submitted,

Sean P. Deenihan



DST #1
3936'- 3976'
30-30-30-30"
IF: .2"
ISI: No BB
FF: 1.2"
FSI: No BB
Rec: 70' Mw
IFP: 21-40#
FFP: 49-64#
SIP: 1186-1118#

DST #2
3978'- 4015'
30-30-30-30"
IF: BOB 20" - 16"
ISI: No BB
FF: BOB 25 min - 14"
FSI: No BB"
Rec: 183' GMCW
131' GSOWCM,
183' GOWCM,
IFP: 33-129#
FFP: 136-199#
SIP: 1151-1104#

DST #3
4060'- 4110'
30-30-15-0"
IF: 0.75"
ISI: No BB
FF: No blow
FSI: No BB"
Rec: 15' MW w/
Oil Spots
IFP: 21-25#
FFP: 25-26#
SIP: 1033#

♦ 416 Main St., P.O. Box 225, Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269
♦ Office Phone (785) 639-3949 ♦ Email: franksoilfield@yahoo.com

LOCATION Haiti

FOREMAN Tom Williams

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-15-24	35448	Mark Allen #1	17	6	29	Sheridan
CUSTOMER Shippers Oilfield Services LLC						
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
			103	Conner D		
			203	Tam W		
CITY						
STATE		ZIP CODE				

JOB TYPE <u>PTA</u>	HOLE SIZE _____	HOLE DEPTH _____	CASING SIZE & WEIGHT _____
CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING _____
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

REMARKS: Safety meeting + set up on Stp. Plug as ordered.

- 1) 2500' 50 sy
- 2) 1500' 100 sy
- 3) 335' 50 sy
- 4) 40' 10 sy w/ wooden plug

RH - 30

240 is total

Thanks Tom & Anne

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P006	1	PUMP CHARGE PTA	\$1500 ⁰⁰	\$1500 ⁰⁰
M001	20	MILEAGE	\$6 ⁵⁰	\$130 ⁰⁰
M002	10.68 tons	Ton Mileage Delivery	\$600 ⁰⁰	\$6408 ⁰⁰
CBOLO	240sy	60/40 49ozel 1/4" x 10ozel	\$17 ³⁵	\$4164 ⁰⁰
FEOSS	1	8 3/8" wooden plug	\$165 ⁰⁰	\$165 ⁰⁰
			sub total	\$6559 ⁰⁰
			less 5% disc.	\$327 ⁹⁵
			sub total	\$6,231 ⁰⁵
			Sales Tax	349.57
			ESTIMATED TOTAL	6580.62

AUTHORIZATION _____ TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.

♦ 416 Main St., P.O. Box 225, Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269
♦ Office Phone (785) 639-3949 ♦ Email: franksoilfield@yahoo.com

LOCATION Hoxie

FOREMAN Tom Williams

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-07-24	35448	Mark Allen #1	17	6	29	Sheridan
CUSTOMER Shippers Oilfield Services LLC						
MAILING ADDRESS						
CITY		STATE	ZIP CODE			

TRUCK #	DRIVER	TRUCK #	DRIVER
703	Tom W		
203	Conner P		

JOB TYPE <u>Surface</u>	HOLE SIZE <u>12 1/4"</u>	HOLE DEPTH <u>278'</u>	CASING SIZE & WEIGHT <u>8 5/8' 23#</u>
CASING DEPTH <u>278'</u>	DRILL PIPE _____	TUBING _____	OTHER _____
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING _____
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____

REMARKS: Safety meeting + set upon step #1. Circulate mud
Mix 2005 surface blend - Displace 16.5 Bbls + shut in. Release pressure
Rackup move off
cement circulated 5 Bbls to pit.

Thanks Tom & Connor

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
P002	1	PUMP CHARGE Surface	\$1150 ⁰⁰	\$1150 ⁰⁰
M001	20	MILEAGE	\$6 ⁵⁰	\$130 ⁰⁰
M002	9.8 tons	Ton Mileage Delivery	\$400 ⁰⁰	\$400 ⁰⁰
C004	2007x	Class A 39cc 29 gal	\$25 ⁵⁰	\$5100 ⁰⁰
			Subtotal	\$6980 ⁰⁰
			less 5% disc.	\$349 ⁰⁰
			Subtotal	\$6631 ⁰⁰
			Sales Tax	411.83
			ESTIMATED TOTAL	7042.83

AUTHORIZATION W. J. J. J. J. TITLE _____ DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



DRILL STEM TEST REPORT

Prepared For: **Schippers Oilfield Services LLC**

1255 E. Highway 24
Hoxie, KS 67740

ATTN: Sean Deenihan

Mark Allen #1

17-6S-29W Sheridan, KS

Start Date: 2024.10.12 @ 18:03:00

End Date: 2024.10.13 @ 00:31:30

Job Ticket #: 72139 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.10.18 @ 12:38:21



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72139

DST#: 1

ATTN: Sean Deenihan

Test Start: 2024.10.12 @ 18:03:00

GENERAL INFORMATION:

Formation: **LKC A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:22:00

Time Test Ended: 00:31:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: **3936.00 ft (KB) To 3976.00 ft (KB) (TVD)**

Total Depth: 3976.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2840.00 ft (KB)

2833.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8675** Outside

Press@RunDepth: 64.14 psig @ 3937.00 ft (KB)

Start Date: 2024.10.12

End Date:

2024.10.13

Start Time: 18:03:05

End Time:

00:31:29

Capacity: 8000.00 psig

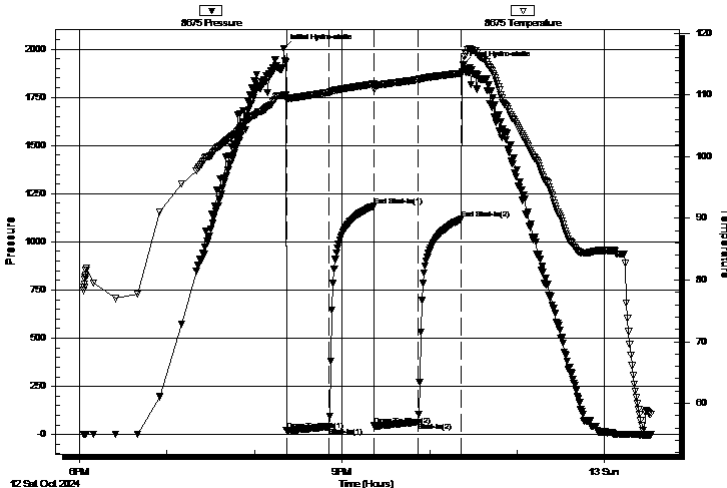
Last Calib.: 2024.10.13

Time On Btm: 2024.10.12 @ 20:20:15

Time Off Btm: 2024.10.12 @ 22:23:15

TEST COMMENT: IF-30- Built to 2.07"
SI1-30- No return
FF-30- Built to 1.21"
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2003.94	110.05	Initial Hydro-static
2	20.51	109.23	Open To Flow (1)
31	40.00	110.42	Shut-In(1)
62	1186.48	111.79	End Shut-In(1)
62	49.26	110.97	Open To Flow (2)
92	64.14	112.47	Shut-In(2)
122	1117.86	113.53	End Shut-In(2)
123	1917.25	114.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
70.00	MW 55% water 45% mud	0.34

Gas Rates

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

DRILL STEM TEST REPORT

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72139

DST#: 1

ATTN: Sean Deenihan

Test Start: 2024.10.12 @ 18:03:00

GENERAL INFORMATION:

Formation: **LKC A-B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 20:22:00

Time Test Ended: 00:31:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Day

Unit No: 70

Interval: **3936.00 ft (KB) To 3976.00 ft (KB) (TVD)**

Total Depth: 3976.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2840.00 ft (KB)

2833.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **6651** Inside

Press@RunDepth: psig @ 3937.00 ft (KB)

Start Date: 2024.10.12

End Date:

2024.10.13

Start Time: 18:03:05

End Time:

00:31:14

Capacity: 8000.00 psig

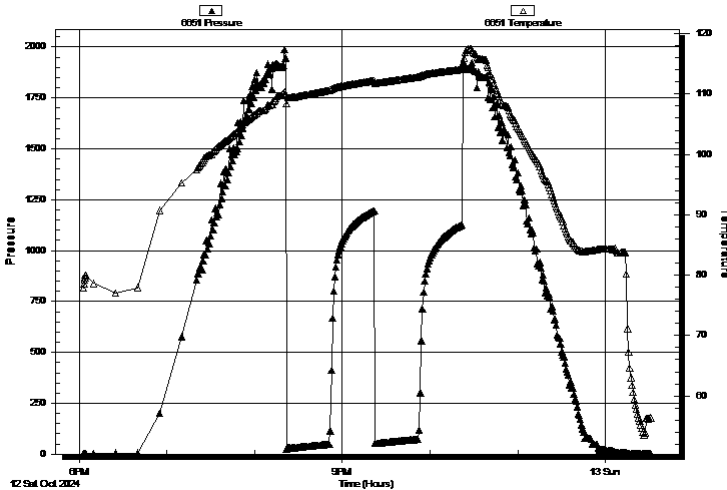
Last Calib.: 2024.10.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- Built to 2.07"
SI1-30- No return
FF-30- Built to 1.21"
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
70.00	MW 55% water 45% mud	0.34

Gas Rates

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

DRILL STEM TEST REPORT

TOOL DIAGRAM

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72139

DST#: 1

ATTN: Sean Deenihan

Test Start: 2024.10.12 @ 18:03:00

Tool Information

Drill Pipe:	Length: 3812.00 ft	Diameter: 3.80 inches	Volume: 53.47 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	74000.00 lb
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3936.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3911.00	
Hydraulic tool	5.00			3916.00	
Jars	5.00			3921.00	
EM Sub	3.00			3924.00	
Safety Joint	3.00			3927.00	
Packer	5.00			3932.00	30.00 Bottom Of Top Packer
Packer	4.00			3936.00	
Stubb	1.00			3937.00	
Recorder	0.00	6651	Inside	3937.00	
Recorder	0.00	8675	Outside	3937.00	
perforations	1.00			3938.00	
change Over Sub	1.00			3939.00	
drill Pipe	32.00			3971.00	
change Over Sub	1.00			3972.00	
Bullnose	4.00			3976.00	40.00 Bottom Packers & Anchor

Total Tool Length: 70.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72139

DST#: 1

ATTN: Sean Deenihan

Test Start: 2024.10.12 @ 18:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1000.00 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: 12000 ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	MW 55% water 45% mud	0.344

Total Length: 70.00 ft

Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

Serial #: 8675

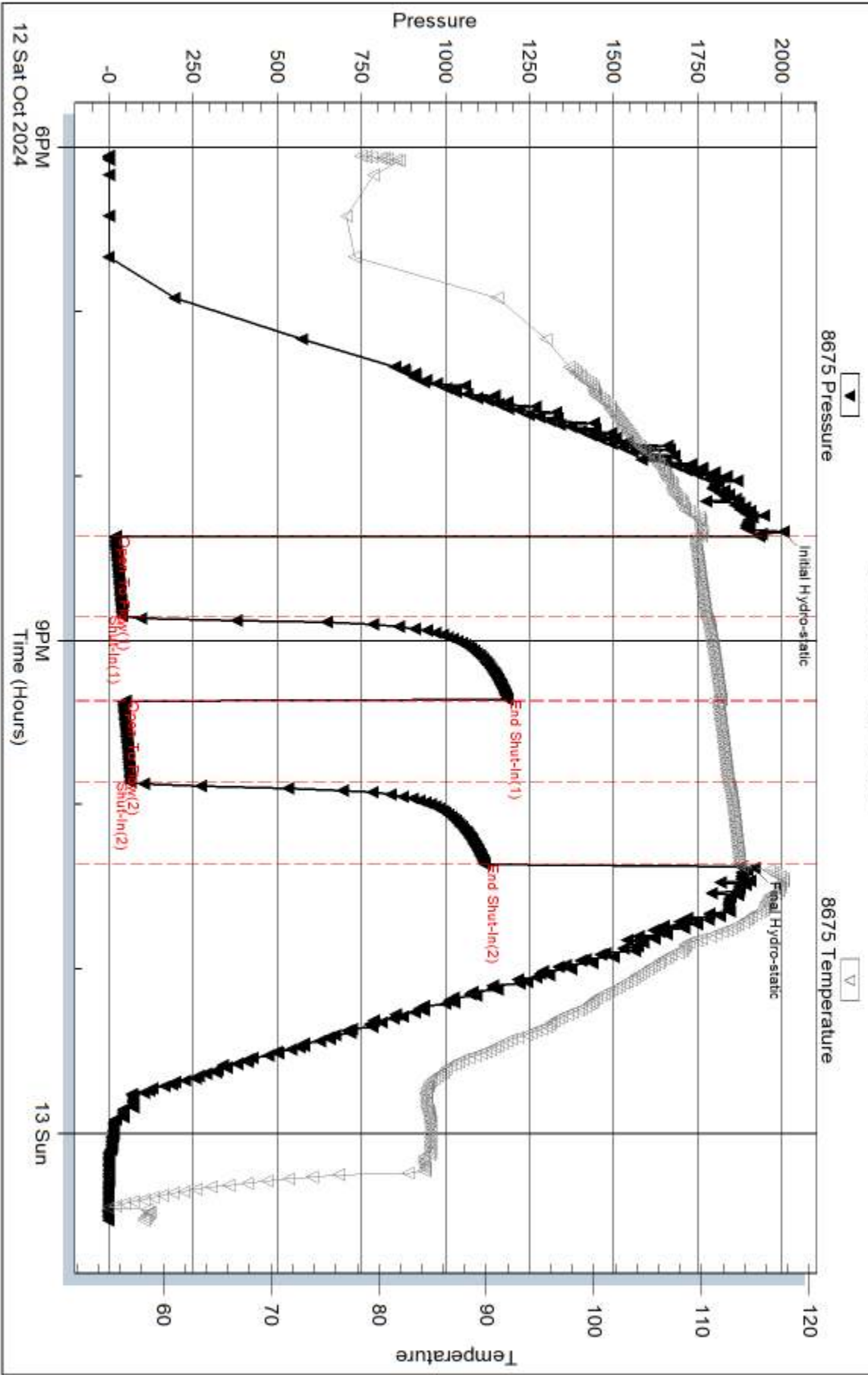
Outside

Schippers Oilfield Services LLC

Mark Allen #1

DST Test Number: 1

Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 72139

Printed: 2024.10.18 @ 12:38:22

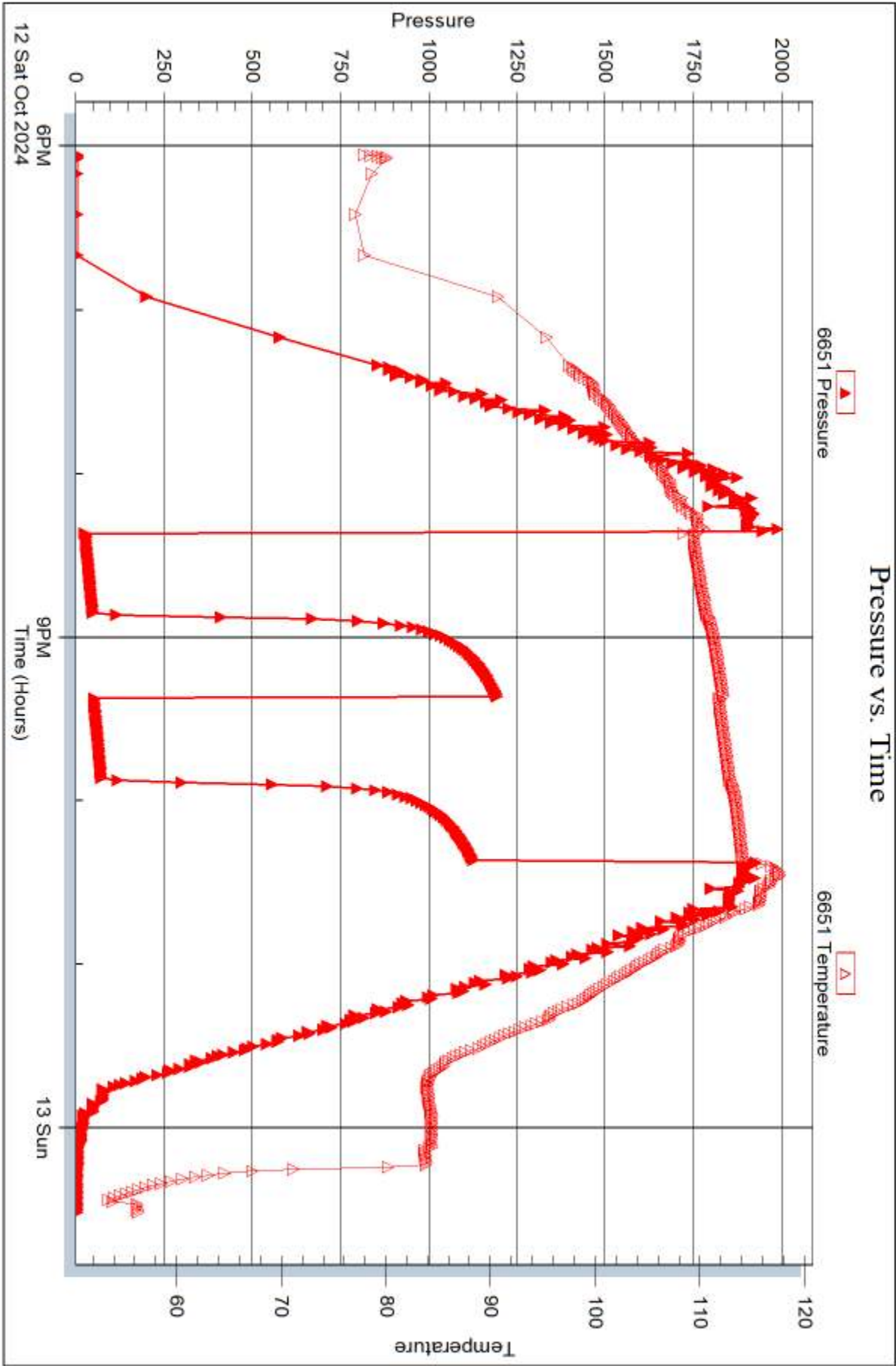
Serial #: 6651

Inside

Schippers Oilfield Services LLC

Mark Allen #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Schippers Oilfield Services LLC**

1255 E. Highway 24
Hoxie, KS 67740

ATTN: Sean Deenihan

Mark Allen #1

17-6S-29W Sheridan, KS

Start Date: 2024.10.13 @ 09:33:00

End Date: 2024.10.13 @ 15:20:45

Job Ticket #: 72140 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.10.18 @ 12:37:55



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72140

DST#: 2

ATTN: Sean Deenihan

Test Start: 2024.10.13 @ 09:33:00

GENERAL INFORMATION:

Formation: **LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:03:15

Time Test Ended: 15:20:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3978.00 ft (KB) To 4015.00 ft (KB) (TVD)**

Total Depth: 4015.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2840.00 ft (KB)

2833.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **8675** Outside

Press@RunDepth: 198.50 psig @ 3979.00 ft (KB)

Start Date: 2024.10.13

End Date:

2024.10.13

Start Time: 09:33:05

End Time:

15:20:44

Capacity: 8000.00 psig

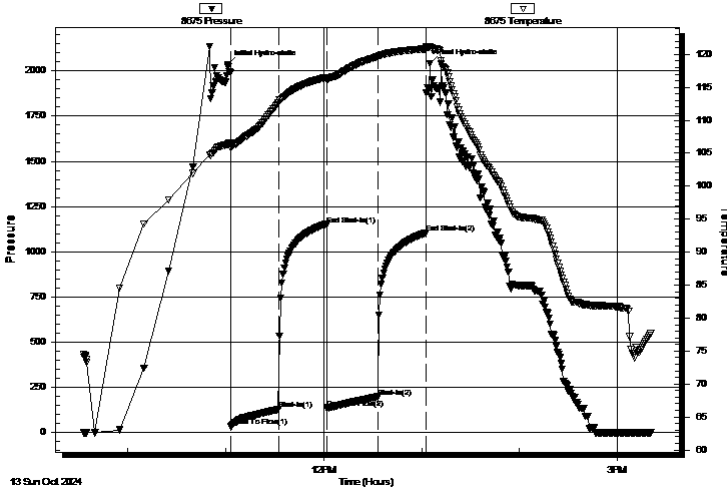
Last Calib.: 2024.10.13

Time On Btm: 2024.10.13 @ 11:01:15

Time Off Btm: 2024.10.13 @ 13:05:15

TEST COMMENT: IF-30- BOB in 20.5 min, built to 16"
SI1-30- No return
FF-30- BOB in 25 min, built to 14.06"
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2035.73	106.35	Initial Hydro-static
2	33.36	105.79	Open To Flow (1)
32	129.18	112.73	Shut-In(1)
61	1150.71	116.50	End Shut-In(1)
61	135.83	116.09	Open To Flow (2)
92	198.50	119.65	Shut-In(2)
122	1104.32	120.82	End Shut-In(2)
124	2038.55	121.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
183.00	GMCW 5% gas 7% oil 33% water 55%	1.47
131.00	GSOWCM 12% gas 2% oil 36% water 50%	1.84
183.00	GOWCM 5% gas 7% oil 33% water 55%	2.57

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72140

DST#: 2

ATTN: Sean Deenihan

Test Start: 2024.10.13 @ 09:33:00

GENERAL INFORMATION:

Formation: **LKC E**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:03:15

Time Test Ended: 15:20:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **3978.00 ft (KB) To 4015.00 ft (KB) (TVD)**

Total Depth: 4015.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2840.00 ft (KB)

2833.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **6651** Inside

Press@RunDepth: psig @ 3979.00 ft (KB)

Start Date: 2024.10.13

End Date:

2024.10.13

Start Time: 09:33:05

End Time:

15:12:43

Capacity: 8000.00 psig

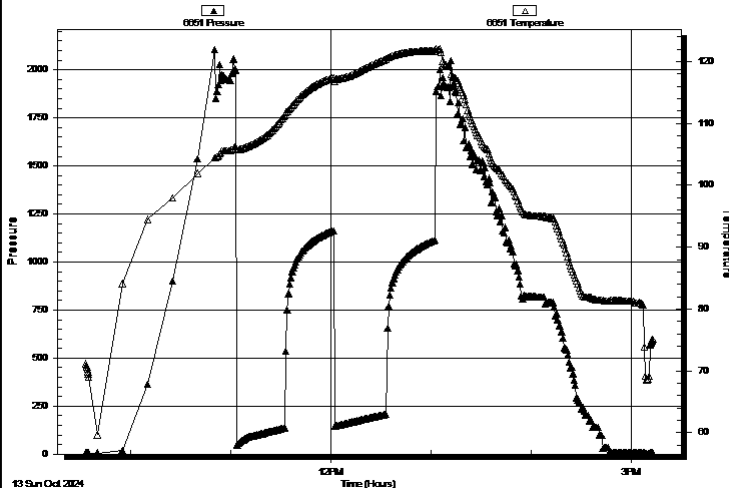
Last Calib.: 2024.10.13

Time On Btm:

Time Off Btm:

TEST COMMENT: IF-30- BOB in 20.5 min, built to 16"
SI1-30- No return
FF-30- BOB in 25 min, built to 14.06"
SI2-30- No return

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
183.00	GMCW 5% gas 7% oil 33% water 55%	1.47
131.00	GSOWCM 12% gas 2% oil 36% water 50%	1.84
183.00	GOWCM 5% gas 7% oil 33% water 55%	2.57

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72140

DST#: 2

ATTN: Sean Deenihan

Test Start: 2024.10.13 @ 09:33:00

Tool Information

Drill Pipe:	Length:	3846.00 ft	Diameter:	3.80 inches	Volume:	53.95 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length:	ft	Diameter:	2.75 inches	Volume:	- bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:	90000.00 lb
					Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:		18.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Packer:		3978.00 ft					Final	62000.00 lb
Depth to Bottom Packer:		ft						
Interval between Packers:		37.00 ft						
Tool Length:		67.00 ft						
Number of Packers:		2	Diameter:	6.75 inches				
Tool Comments:								

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			3953.00	
Hydraulic tool	5.00			3958.00	
Jars	5.00			3963.00	
EM Sub	3.00			3966.00	
Safety Joint	3.00			3969.00	
Packer	5.00			3974.00	30.00 Bottom Of Top Packer
Packer	4.00			3978.00	
Stubb	1.00			3979.00	
Recorder	0.00	6651	Inside	3979.00	
Recorder	0.00	8675	Outside	3979.00	
perforations	32.00			4011.00	
Bullnose	4.00			4015.00	37.00 Bottom Packers & Anchor

Total Tool Length: 67.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72140

DST#: 2

ATTN: Sean Deenihan

Test Start: 2024.10.13 @ 09:33:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 19500 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
183.00	GMCW 5% gas 7% oil 33% water 55% mud	1.474
131.00	GSOWCM 12% gas 2% oil 36% water 50% r	1.838
183.00	GOWCM 5% gas 7% oil 33% water 55% mud	2.567

Total Length: 497.00 ft

Total Volume: 5.879 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

Serial #: 8675

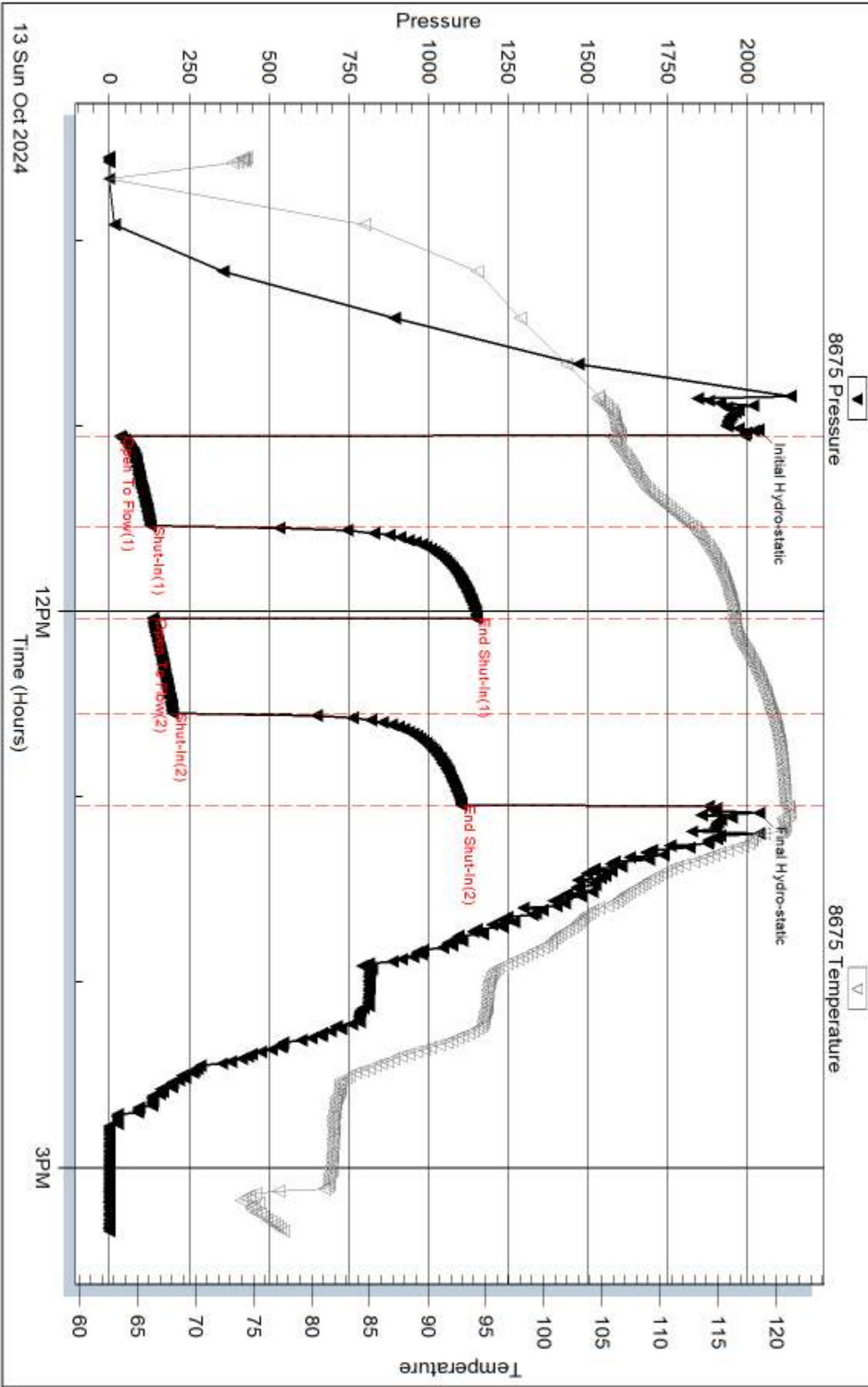
Outside

Schippers Oilfield Services LLC

Mark Allen #1

DST Test Number: 2

Pressure vs. Time



13 Sun Oct 2024

Trilobite Testing, Inc

Ref. No: 72140

Printed: 2024.10.18 @ 12:37:56

Serial #: 6651

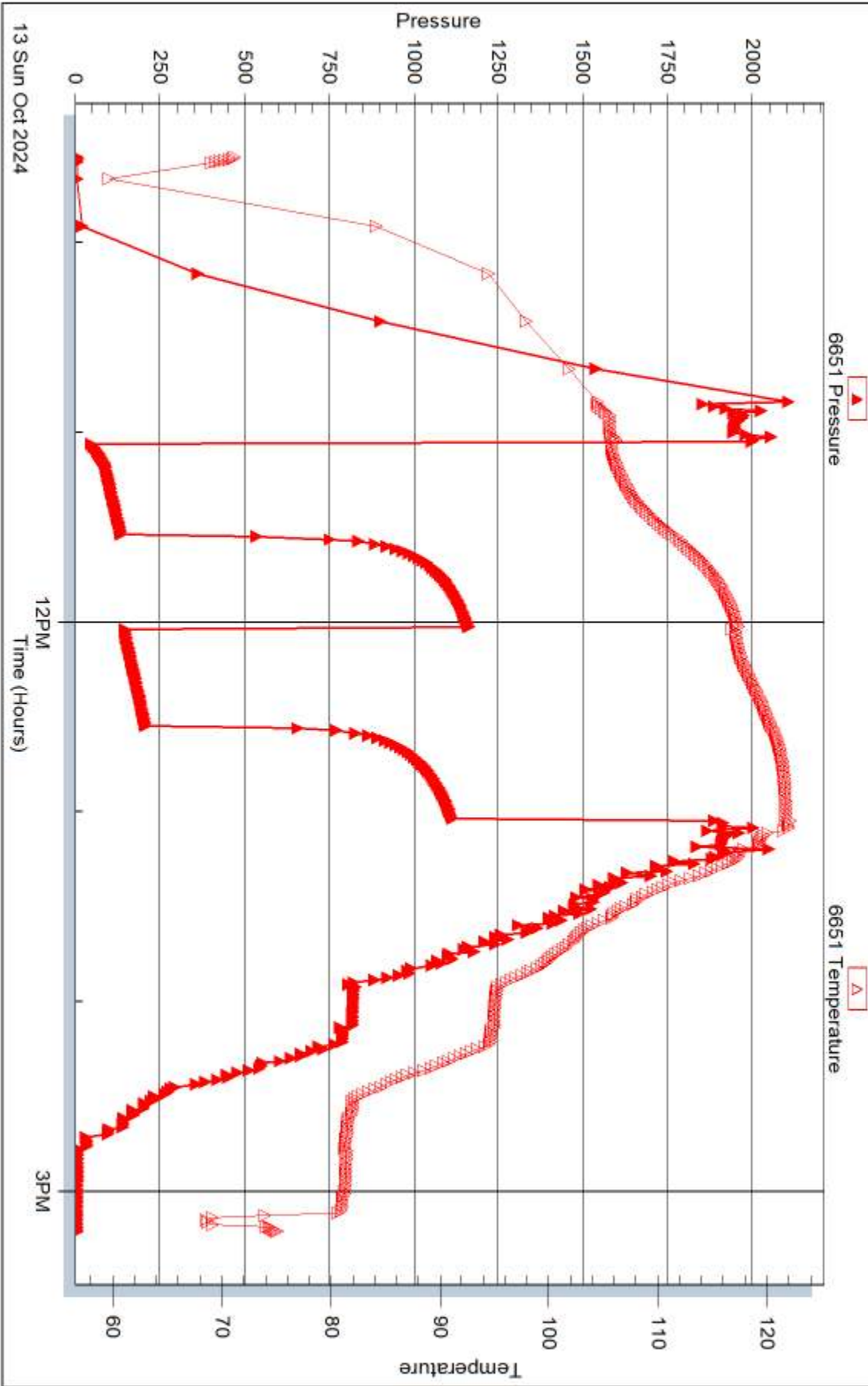
Inside

Schippers Oilfield Services LLC

Mark Allen #1

DST Test Number: 2

Pressure vs. Time



13 Sun Oct 2024

12PM
Time (Hours)

3PM



DRILL STEM TEST REPORT

Prepared For: **Schippers Oilfield Services LLC**

1255 E. Highway 24
Hoxie, KS 67740

ATTN: Sean Deenihan

Mark Allen #1

17-6S-29W Sheridan, KS

Start Date: 2024.10.14 @ 04:55:00

End Date: 2024.10.14 @ 10:15:15

Job Ticket #: 72141 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2024.10.18 @ 12:37:30



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72141

DST#: 3

ATTN: Sean Deenihan

Test Start: 2024.10.14 @ 04:55:00

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:45:15

Time Test Ended: 10:15:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **4062.00 ft (KB) To 4110.00 ft (KB) (TVD)**

Reference Elevations: 2840.00 ft (KB)

Total Depth: 4110.00 ft (KB) (TVD)

2833.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: **8675** Outside

Press@RunDepth: 24.64 psig @ 4063.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2024.10.14

End Date:

2024.10.14

Last Calib.: 2024.10.14

Start Time: 04:55:05

End Time:

10:15:14

Time On Btm: 2024.10.14 @ 06:43:30

Time Off Btm: 2024.10.14 @ 07:59:15

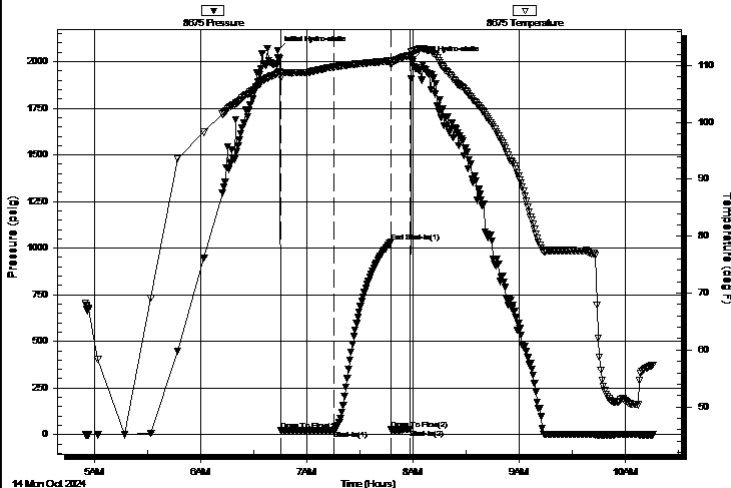
TEST COMMENT: IF-30- Built to .78"

SI1-30- No return

FF-15- No blow

Pull tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2058.40	108.71	Initial Hydro-static
2	21.44	107.76	Open To Flow (1)
32	24.64	109.75	Shut-In(1)
64	1033.03	110.80	End Shut-In(1)
65	25.67	110.12	Open To Flow (2)
75	26.65	111.77	Shut-In(2)
76	2007.62	112.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	MW 40% mud 60% w ater (oil spots in toc0.07	

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72141

DST#: 3

ATTN: Sean Deenihan

Test Start: 2024.10.14 @ 04:55:00

GENERAL INFORMATION:

Formation: **LKC J**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:45:15

Time Test Ended: 10:15:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Dustin Day

Unit No: 70

Interval: **4062.00 ft (KB) To 4110.00 ft (KB) (TVD)**

Total Depth: 4110.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2840.00 ft (KB)

2833.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: **6651** Inside

Press@RunDepth: psig @ 4063.00 ft (KB)

Start Date: 2024.10.14

End Date:

2024.10.14

Start Time: 04:55:05

End Time:

10:07:07

Capacity: 8000.00 psig

Last Calib.:

2024.10.14

Time On Btm:

Time Off Btm:

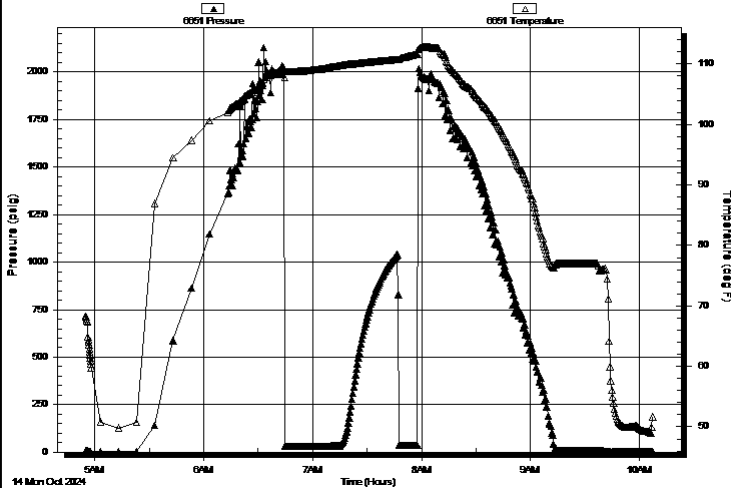
TEST COMMENT: IF-30- Built to .78"

SI1-30- No return

FF-15- No blow

Pull tool

Pressure vs. Time



PRESSURE SUMMARY

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

Length (ft)	Description	Volume (bbl)
15.00	MW 40% mud 60% water (oil spots in top 0.07	

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

TOOL DIAGRAM

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72141

DST#: 3

ATTN: Sean Deenihan

Test Start: 2024.10.14 @ 04:55:00

Tool Information

Drill Pipe:	Length: 3940.00 ft	Diameter: 3.80 inches	Volume: 55.27 bbl	Tool Weight:	2900.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: 2.75 inches	Volume: - bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	64000.00 lb
		Total Volume:	- bbl	Tool Chased	ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4062.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	48.00 ft				
Tool Length:	78.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4037.00	
Hydraulic tool	5.00			4042.00	
Jars	5.00			4047.00	
EM Sub	3.00			4050.00	
Safety Joint	3.00			4053.00	
Packer	5.00			4058.00	30.00 Bottom Of Top Packer
Packer	4.00			4062.00	
Stubb	1.00			4063.00	
Recorder	0.00	6651	Inside	4063.00	
Recorder	0.00	8675	Outside	4063.00	
perforations	9.00			4072.00	
change Over Sub	1.00			4073.00	
drill Pipe	32.00			4105.00	
change Over Sub	1.00			4106.00	
Bullnose	4.00			4110.00	48.00 Bottom Packers & Anchor

Total Tool Length: 78.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Schippers Oilfield Services LLC

17-6S-29W Sheridan, KS

1255 E. Highway 24
Hoxie, KS 67740

Mark Allen #1

Job Ticket: 72141

DST#: 3

ATTN: Sean Deenihan

Test Start: 2024.10.14 @ 04:55:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 58.00 sec/qt

Water Loss: 7.19 in³

Resistivity: ohm.m

Salinity: 1400.00 ppm

Filter Cake: 2.00 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

deg API

Water Salinity: 15500 ppm

ft

bbl

psig

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	MW 40% mud 60% water (oil spots in tool)	0.074

Total Length: 15.00 ft

Total Volume: 0.074 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: 2# LCM

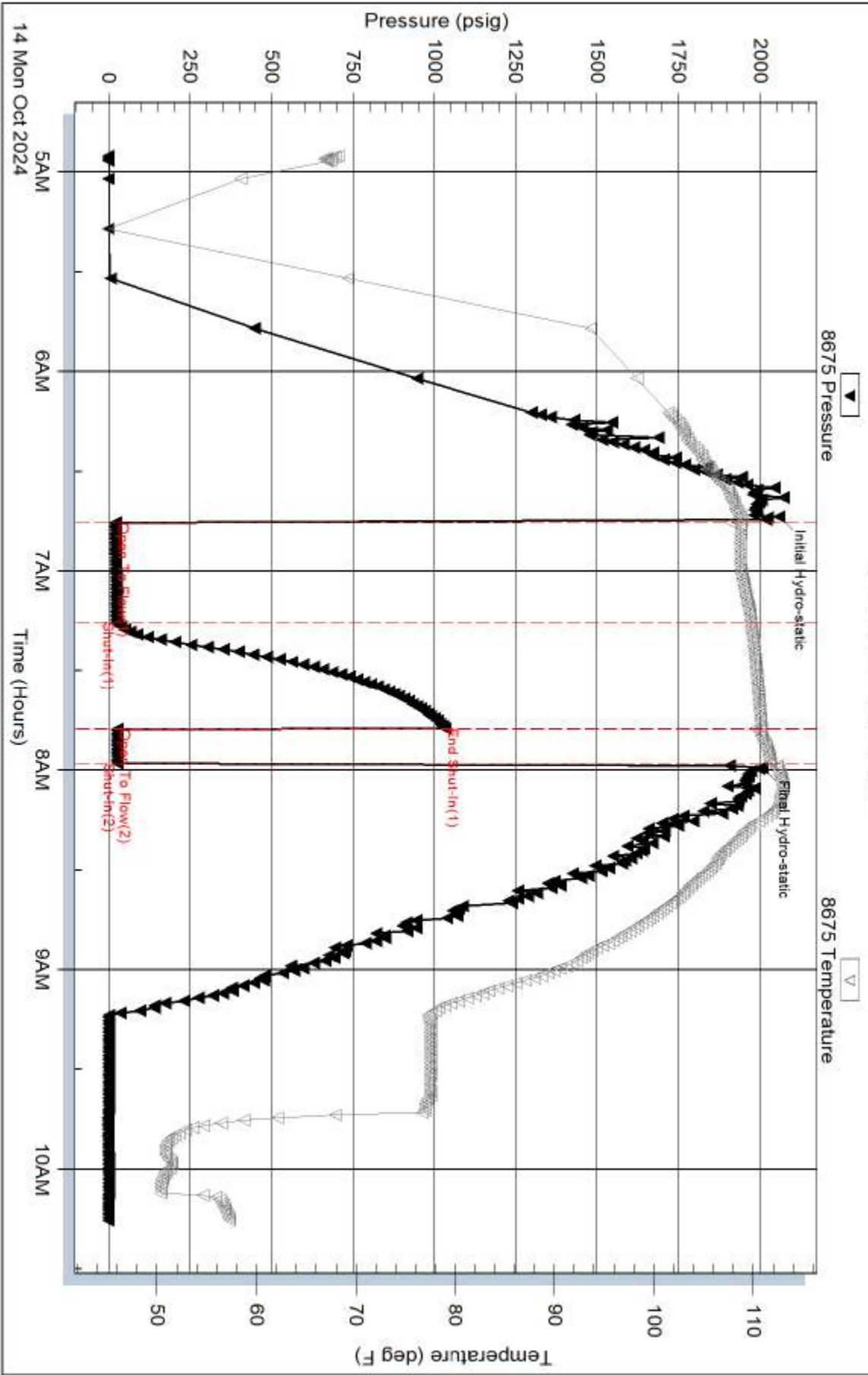
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Outside Schippers Oilfield Services LLC

Mark Allen #1

DST Test Number: 3

Pressure vs. Time



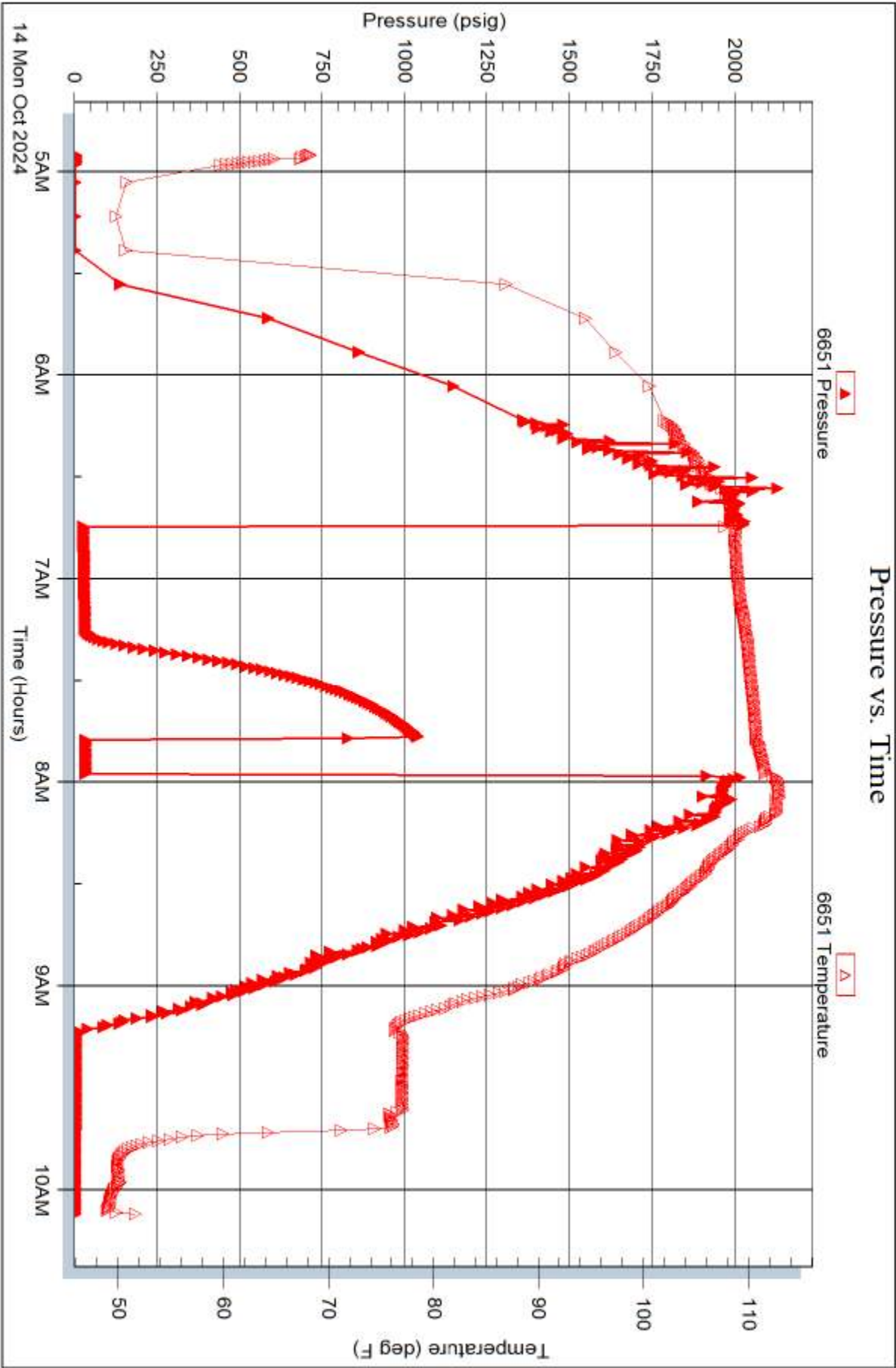
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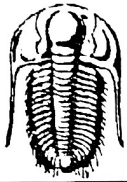
Inside

Schippers Oilfield Services LLC

Mark Allen #1

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 72139

Well Name & No. Mark Allen #1 Test No. 1 Date 10/12/24
Company Schippers Oilfield Services LLC Elevation 2840 KB 2833 GL
Address 1255 E. US Highway 24 Hoxie, KS 67740
Co. Rep / Geo Sean Deenihan Rig STP Rig #2
Location: Sec. 17 Twp 6S Rge. 24W Co. Sheridan State KS

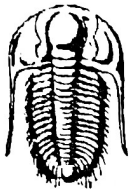
Interval Tested 3936-3976 Zone Tested LKC A+B
Anchor Length 40 Drill Pipe Run 3812 Mud Wt. 9.2
Top Packer Depth 3931 Drill Collars Run 120 Vis 51
Bottom Packer Depth 3936 Wt. Pipe Run 0 WL 7.2
Total Depth 3976 Chlorides 1000 ppm System LCM 2#
Blow Description IF-Built to 2"
SL1- No return
FF-Built to 1-21"
SL2- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>70</u>	<u>MW</u>			<u>55</u>	<u>45</u>
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud
		%gas	%oil	%water	%mud

Rec Total 70 BHT 114 Gravity _____ API RW 710 @ 53 °F Chlorides 12000 ppm
Initial Hydrostatic 2004 ☒ Test 1800 ☐ Ruined Shale Packer _____
Initial Flow 21 to 40 ☒ Jars 300 ☐ Ruined Packer _____
Initial Shut-In 1186 ☐ Circ Sub _____ ☐ Hotel _____
Final Flow 49 to 64 ☐ Hourly Standby _____ ☒ EM Tool Successful _____
Final Shut-In 1118 ☒ Mileage 44 77 ☐ Accessibility _____
Final Hydrostatic 1917 ☐ Sampler _____ ☐ Gas Sample _____
T- On Location 11/15 ☐ Straddle _____ ☐ Oversized Hole _____
Initial Flow 30 T-Started 18:03 ☐ Shale Packer _____ ☐ Sub Total 0
Initial Shut-In 30 T-Open 20:22 ☐ Extra Packer _____ ☐ Total 2177
Final Flow 30 T-Pulled 22:22 ☐ Extra Recorder _____ ☐ Tool Loaded _____ @ _____
Final Shut-In 30 T-Out 00:32 ☐ Day Standby _____ ☐ MP/DST Disc't _____
Comments _____

Approved By _____ Our Representative Dust Dy

Trilobite Testing Inc. shall not be liable for damage of any kind of 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

Test Ticket

NO. 72140

Well Name & No. Mark Allen #1 Test No. 2 Date 10/13/24
Company Schippers Oilfield Services LLC Elevation 2840 KB 2833 GL
Address 1255 E US Highway 24 Hoxie KS 67740
Co. Rep / Geo Sean Deenihan Rig STP Rig #2
Location: Sec. 17 Twp 6S Rge. 29W Co. Sheridan State KS

Interval Tested 3978-4015 Zone Tested LKC E
Anchor Length 37 Drill Pipe Run 3846 Mud Wt. 9.2
Top Packer Depth 3973 Drill Collars Run 120 Vis 58
Bottom Packer Depth 3978 Wt. Pipe Run 0 WL 72
Total Depth 4015 Chlorides 1400 ppm System LCM 2H

Blow Description FF- BoB in 20.5 min built to 116"

S17- No return

FF- BoB in 25 min built to 14.06"

S12- No return

Rec	Feet of	%gas	%oil	%water	%mud
<u>90</u>	<u>60WCM</u>	<u>5</u>	<u>7</u>	<u>33</u>	<u>55</u>
<u>131</u>	<u>650WCM</u>	<u>12</u>	<u>2</u>	<u>36</u>	<u>50</u>
<u>183</u>	<u>6MCW</u>	<u>10</u>	<u>0</u>	<u>85</u>	<u>5</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 404 BHT 121 Gravity 1950 API RW 37.1 @ 67 °F Chlorides 19500 ppm

Initial Hydrostatic 2036 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 33 to 129 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 1151 ☐ Circ Sub ☒ Hotel

Final Flow 136 to 199 ☐ Hourly Standby ☒ EM Tool Successful

Final Shut-In 1104 ☒ Mileage 44 77 ☐ Accessibility

Final Hydrostatic 2039 ☐ Sampler ☐ Gas Sample

T- On Location 09:15 ☐ Straddle ☐ Oversized Hole

Initial Flow 30 T-Started 9:33 ☐ Shale Packer ☐ Sub Total 0

Initial Shut-In 30 T-Open 11:03 ☐ Extra Packer ☐ Total 2327

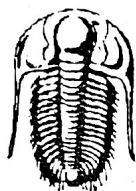
Final Flow 30 T-Pulled 13:03 ☐ Extra Recorder ☐ Tool Loaded @

Final Shut-In 30 T-Out 15:21 ☐ Day Standby ☐ MP/DST Disc't

Comments

Approved By _____ Our Representative Duffy

Trilobite Testing Inc. shall not be liable for damage of any kind of 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

Test Ticket

NO. 72141

Well Name & No. Mark Allen #1 Test No. 3 Date 10/14/24
Company Schippers Oilfield Services LLC Elevation 2840 KB 2833 GL
Address 1255 E US Highway 24 Hoxie, KS 67740
Co. Rep / Geo Sean Deenihan Rig STP Rig #2
Location: Sec. 17 Twp 6S Rge. 29W Co. Sheridan State KS

Interval Tested 4062-4110 Zone Tested LKC J
Anchor Length 48 Drill Pipe Run 3940 Mud Wt. 9.2
Top Packer Depth 4057 Drill Collars Run 120 Vis 58
Bottom Packer Depth 4062 Wt. Pipe Run 0 WL 7.2
Total Depth 4110 Chlorides 1400 ppm System LCM 2A
Blow Description IF - Built to 78"

SI7 - No return

FF - No blow

Pull tool

ec	15	Feet of	MW (oil spots in tool)	%gas	%oil	100	%water	40	%mud
ec		Feet of		%gas	%oil		%water		%mud
ec		Feet of		%gas	%oil		%water		%mud
ec		Feet of		%gas	%oil		%water		%mud
ec		Feet of		%gas	%oil		%water		%mud
ec		Feet of		%gas	%oil		%water		%mud
ec		Feet of		%gas	%oil		%water		%mud
ec		Feet of		%gas	%oil		%water		%mud

ec Total 15 BHT 112 Gravity API RW 731 @ 42 *F Chlorides 15500 ppm

Initial Hydrostatic 2058 ☒ Test 1950 ☐ Ruined Shale Packer

Initial Flow 21 to 25 ☒ Jars 300 ☐ Ruined Packer

Initial Shut-In 1033 ☐ Circ Sub ☒ Hotel

Initial Flow 26 to 27 ☐ Hourly Standby ☒ EM Tool Successful

Initial Shut-In ☒ Mileage 44X2 77 +77 ☐ Accessibility

Initial Hydrostatic 2008 ☐ Sampler ☐ Gas Sample

T-On Location 04:15 ☐ Straddle ☐ Oversized Hole

Initial Flow 30 T-Started 04:55 ☐ Shale Packer ☐ Sub Total 0

Initial Shut-In 30 T-Open 06:46 ☐ Extra Packer ☐ Total 2404

Initial Flow 15 T-Pulled 08:01 ☐ Extra Recorder ☒ Tool Loaded 10:15 @ 01:00

Initial Shut-In T-Out 10:14 ☐ Day Standby ☐ MP/DST Disc't

Comments

Approved By Our Representative D. J. J.

Triobite Testing Inc. shall not be liable for damage of any kind of property or personnel of the one for whom a test is made, or for any loss offered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. No loss or damaged in the hole shall be paid for at cost by the party for whom the test is made.