

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD
 Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Carmen Schmitt, Inc.
Well Name	Jost 1-29
Doc ID	1282794

All Electric Logs Run

Sonic
Computer Interperated
Dual Induction
Dual Comp Porosity
Miro Log

COPELAND

Acid & Cement

POST OFFICE BOX 438
 HAYSVILLE, KS 67060
 (316) 524-1225
 (316) 524-1027 FAX

Invoice

Page: 1

BURRTON, KS ♦ GREAT BEND, KS
 (620) 463-5161 (620) 793-3366
 FAX (620) 463-2104 FAX (620)

INVOICE NUMBER:
C43620-IN

BILL TO:

CARMEN SCHMITT, INC.
P.O. BOX 47
GREAT BEND, KS 67530

LEASE: JOST 1-29

DATE	ORDER	SALESMAN	ORDER DATE	PURCHASE ORDER	SPECIAL INSTRUCTIONS	
01/14/2016	C43620		01/12/2016		NET 30	
QUANTITY	U/M	ITEM NO./DESCRIPTION		D/C	PRICE	EXTENSION
30.00	MI	MILEAGE CEMENT PUMP TRUCK		15.00	4.00	102.00
30.00	MI	MILEAGE PICKUP TRUCK		15.00	2.00	51.00
1.00	EA	CEMENT PUMP CHARGE - SURFACE		15.00	1,100.00	935.00
165.00	SK	60/40 POZ 2% GEL MIX		15.00	10.75	1,507.69
9.00	SK	CALCIUM CHLORIDE		15.00	30.00	229.50
1.00	EA	WOOD - PLUG		15.00	65.00	55.25
174.00	EA	BULK CHARGE		15.00	1.25	184.88
224.70	MI	BULK TRUCK - TON MILES		15.00	1.10	210.09
		<i>710/43</i> <i>19039.0129</i> <i>Well Rite</i> <i>Surface Cement</i>				
REMIT TO: P.O. BOX 438 HAYSVILLE, KS 67060		COP FUEL SURCHARGE IS NOT TAXABLE AND IS ADDED TO MILEAGE, PUMP AND OR DELIVERY CHARGES ONLY.		Net Invoice: 3,275.41 MANCO Sales Tax: 74.80 Invoice Total: 3,350.21		
RECEIVED BY _____		NET 30 DAYS				

There will be a charge of 1.5% "per month" (18% annual rate) on all accounts over 30 days pas

Copeland Acid & Cement is a subsidiary of Gressel Oil Field Service

Gressel Oil Field Service reserves a security interest in the goods sold until the same are paid for in full and reserve all the rights of a secured party under the Uniform Commercial Code.



FIELD ORDER N° C 43620

BOX 438 • HAYSVILLE, KANSAS 67060
316-524-1225

DATE 1-12-16 20__

IS AUTHORIZED BY: Carmer Schmitt (NAME OF CUSTOMER)

Address _____ City _____ State _____

To Treat Well As Follows: Lease Just Well No. 1-29 Customer Order No. _____

Sec. Twp. Range _____ County Maion State ks

CONDITIONS: As a part of the consideration hereof it is agreed that Copeland Acid Service is to service or treat at owners risk, the hereinbefore mentioned well and is not to be held liable for any damage that may accrue in connection with said service or treatment. Copeland Acid Service has made no representation, expressed or implied, and no representations have been relied on, as to what may be the results or effect of the servicing or treating said well. The consideration of said service or treatment is payable. There will be no discount allowed subsequent to such date. 6% interest will be charged after 60 days. Total charges are subject to correction by our invoicing department in accordance with latest published price schedules.
The undersigned represents himself to be duly authorized to sign this order for well owner or operator.

THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED _____ By _____
Well Owner or Operator Agent

CODE	QUANTITY	DESCRIPTION	UNIT COST	AMOUNT
2	30	mileage pump truck	4. ^{00/}	120. ^{00/}
2	30	mileage pickup	2. ^{00/}	60. ^{00/}
2	1	Pump Charge - Surface		1,100. ^{00/}
2	165	60/40 pop. 2% gel	10. ^{75/}	1,775. ^{75/}
2	9	Calcium Chloride	30. ^{00/}	270. ^{00/}
2	1	Wood - Plug		65. ^{00/}
2	174	Bulk Charge	1. ^{25/}	217. ^{50/}
2		Bulk Truck Miles $7.49 T \times 30 = 224.7 Tm \times 1.10/$	1. ^{19/}	247. ^{17/}
		Process License Fee on _____ Gallons		3,853. ^{42/}
		TOTAL BILLING	15% Discount	578.^{01/}

I certify that the above material has been accepted and used; that the above service was performed in a good and workmanlike manner under the direction, supervision and control of the owner, operator or his agent, whose signature appears below.

Copeland Representative Nathan W.

\$ 3,275.41

Station G.S.

Math S.
Well Owner, Operator or Agent

Remarks _____

NET 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Jost #1-29

29-19s-2e Marion,KS

Start Date: 2016.01.16 @ 01:11:00

End Date: 2016.01.16 @ 08:40:30

Job Ticket #: 64840 DST #: 1

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

Printed: 2016.01.20 @ 09:36:11



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

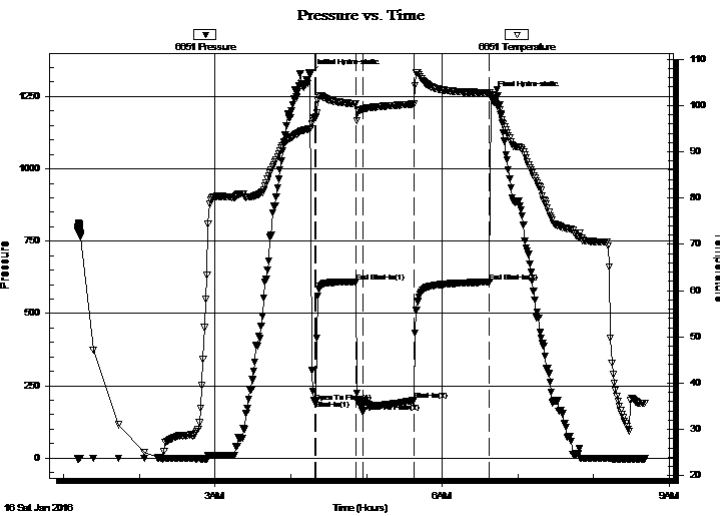
29-19s-2e Marion, KS
Jost #1-29
Job Ticket: 64840 **DST#: 1**
Test Start: 2016.01.16 @ 01:11:00

GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)
Time Tool Opened: 04:19:30 Tester: Brannan Lonsdale
Time Test Ended: 08:40:30 Unit No: 62
Interval: 2617.00 ft (KB) To 2674.00 ft (KB) (TVD) Reference Elevations: 1457.00 ft (KB)
Total Depth: 2674.00 ft (KB) (TVD) 1452.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6651 Inside
Press@RunDepth: 199.09 psig @ 2639.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.01.16 End Date: 2016.01.16 Last Calib.: 2016.01.16
Start Time: 01:11:01 End Time: 08:40:30 Time On Btm: 2016.01.16 @ 04:15:30
Time Off Btm: 2016.01.16 @ 06:38:30

TEST COMMENT: 05- IF- BOB 15 secs
30- IS- Surface blow throughout. Gas to surface 2 mins into ISI w hile bleeding off IF
45- FF- BOB instantly
60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1330.69	94.97	Initial Hydro-static
4	193.08	97.43	Open To Flow (1)
5	200.16	97.51	Shut-In(1)
36	609.83	100.46	End Shut-In(1)
42	157.93	99.13	Open To Flow (2)
82	199.09	100.32	Shut-In(2)
142	608.28	102.81	End Shut-In(2)
143	1253.74	102.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SWM, 2% W 98% M	0.30
310.00	M	3.86
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	11.00	93.05
Last Gas Rate	0.38	11.00	93.05
Max. Gas Rate	0.38	11.00	93.05



DRILL STEM TEST REPORT

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64840

DST#: 1

ATTN: Brad Rine

Test Start: 2016.01.16 @ 01:11:00

GENERAL INFORMATION:

Formation: **Miss**

Deviated: No Whipstock: ft (KB)

Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 04:19:30

Tester: Brannan Lonsdale

Time Test Ended: 08:40:30

Unit No: 62

Interval: 2617.00 ft (KB) To 2674.00 ft (KB) (TVD)

Reference Elevations: 1457.00 ft (KB)

Total Depth: 2674.00 ft (KB) (TVD)

1452.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

Serial #: 6839 Outside

Press@RunDepth: psig @ 2639.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2016.01.16

End Date:

2016.01.16

Last Calib.:

2016.01.16

Start Time: 01:11:44

End Time:

08:41:13

Time On Btm:

Time Off Btm:

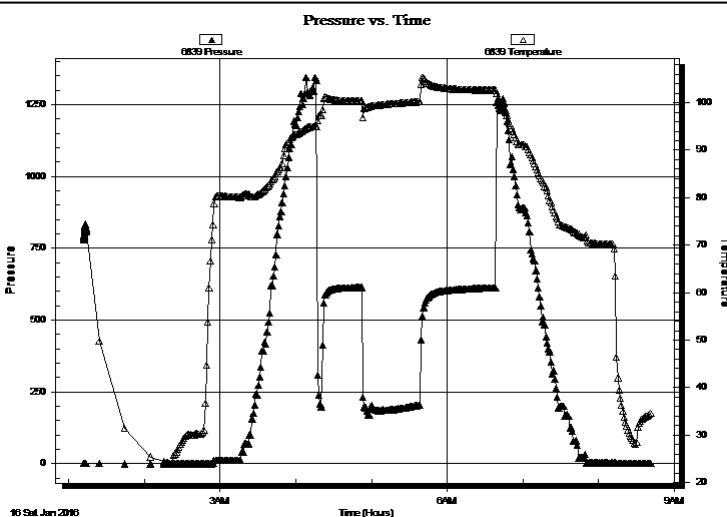
TEST COMMENT: 05- IF- BOB 15 secs

30- IS- Surface blow throughout. Gas to surface 2 mins into ISI w hile bleeding off IF

45- FF- BOB instantly

60- FSI- No blow

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
62.00	SWM, 2% W 98% M	0.30
310.00	M	3.86
0.00	GTS	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.38	11.00	93.05
Last Gas Rate	0.38	11.00	93.05
Max. Gas Rate	0.38	11.00	93.05



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64840

DST#: 1

ATTN: Brad Rine

Test Start: 2016.01.16 @ 01:11:00

Tool Information

Drill Pipe:	Length: 2473.00 ft	Diameter: 3.82 inches	Volume: 35.06 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	2617.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	57.00 ft			
Tool Length:	84.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Length (ft) Serial No. Position Depth (ft) Accum. Lengths

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2591.00	
Shut In Tool	5.00			2596.00	
Hydraulic tool	5.00			2601.00	
Jars	5.00			2606.00	
Safety Joint	2.00			2608.00	
Packer	5.00			2613.00	27.00 Bottom Of Top Packer
Packer	4.00			2617.00	
Stubb	1.00			2618.00	
Perforations	20.00			2638.00	
Change Over Sub	1.00			2639.00	
Recorder	0.00	6651	Inside	2639.00	
Recorder	0.00	6839	Outside	2639.00	
Drill Pipe	31.00			2670.00	
Change Over Sub	1.00			2671.00	
Bullnose	3.00			2674.00	57.00 Bottom Packers & Anchor

Total Tool Length: 84.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64840

DST#: 1

ATTN: Brad Rine

Test Start: 2016.01.16 @ 01:11:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 44.00 sec/qt
Water Loss: 7.97 in³
Resistivity: ohm.m
Salinity: 1800.00 ppm
Filter Cake: inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
62.00	SWM, 2%W 98%M	0.305
310.00	M	3.857
0.00	GTS	0.000

Total Length: 372.00 ft Total Volume: 4.162 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64840

DST#: 1

ATTN: Brad Rine

Test Start: 2016.01.16 @ 01:11:00

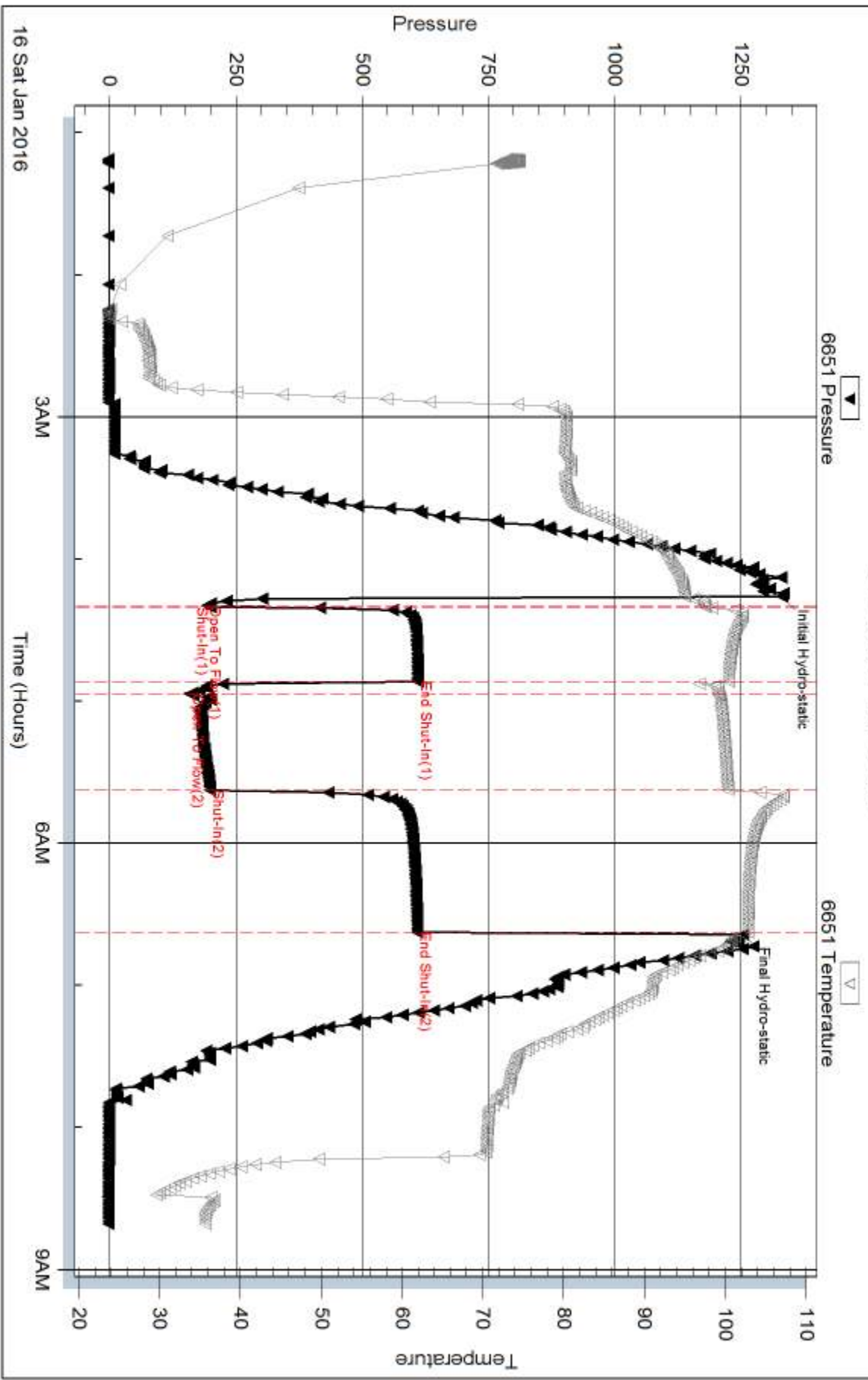
Gas Rates Information

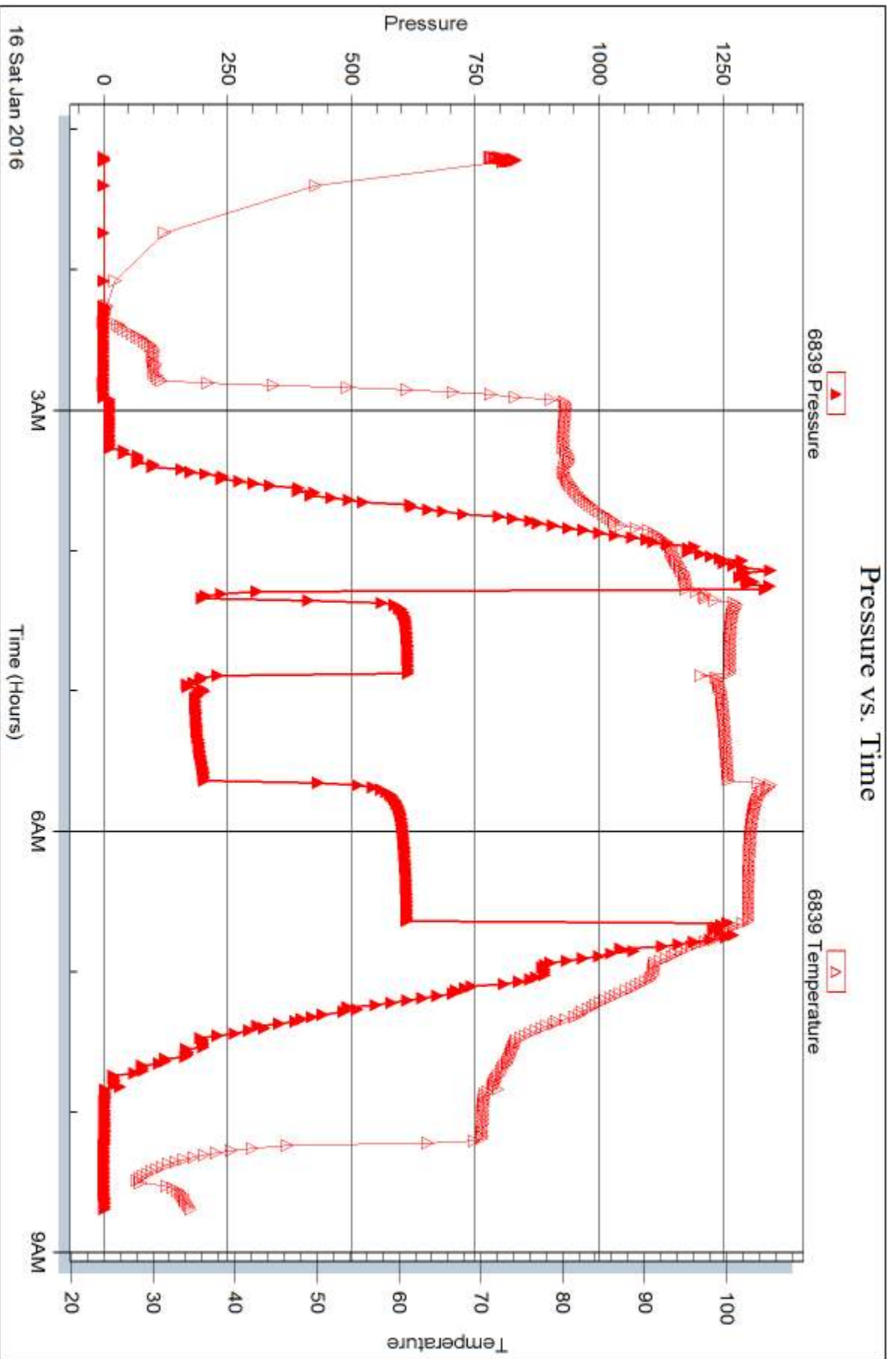
Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.38	11.00	93.05
2	20	0.38	11.00	93.05
2	30	0.38	11.00	93.05
2	40	0.38	11.00	93.05
2	45	0.38	11.00	93.05

Pressure vs. Time







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Jost #1-29

29-19s-2e Marion,KS

Start Date: 2016.01.16 @ 12:41:27

End Date: 2016.01.16 @ 18:45:27

Job Ticket #: 64841 DST #: 2

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

Printed: 2016.01.20 @ 09:27:18

Carmen Schmitt, Inc.
29-19s-2e Marion,KS
Jost #1-29
DST # 2
Miss
2016.01.16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

29-19s-2e Marion, KS
Jost #1-29
Job Ticket: 64841 **DST#: 2**
Test Start: 2016.01.16 @ 12:41:27

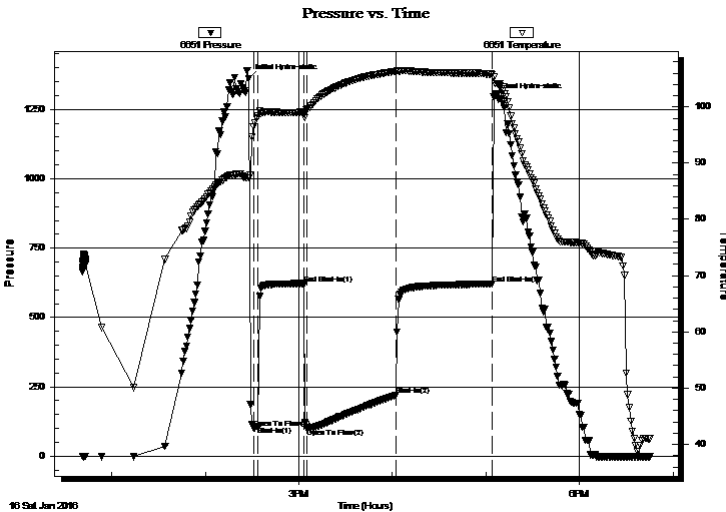
GENERAL INFORMATION:

Formation: **Miss**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:30:57
Time Test Ended: 18:45:27
Interval: 2674.00 ft (KB) To 2689.00 ft (KB) (TVD)
Total Depth: 2689.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Reference Elevations: 1457.00 ft (KB)
1452.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6651 Inside
Press@RunDepth: 220.18 psig @ 2686.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.01.16 End Date: 2016.01.16 Last Calib.: 2016.01.16
Start Time: 12:41:28 End Time: 18:45:27 Time On Btm: 2016.01.16 @ 14:27:57
Time Off Btm: 2016.01.16 @ 17:04:57

TEST COMMENT: 05- IF- BOB instantly. Gas to surface 5 mins
30- IS- Surface blow
60- FF- BOB instantly
60- FSI- Slowly built to 1 1/2"

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1362.43	87.41	Initial Hydro-static
3	102.17	96.47	Open To Flow (1)
6	107.03	98.13	Shut-In(1)
36	622.62	99.08	End Shut-In(1)
38	99.18	99.62	Open To Flow (2)
95	220.18	106.32	Shut-In(2)
156	620.49	105.79	End Shut-In(2)
157	1294.12	105.31	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
496.00	MW, 25%M 75%W	5.92
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

29-19s-2e Marion, KS

Jost #1-29

Job Ticket: 64841

DST#: 2

Test Start: 2016.01.16 @ 12:41:27

GENERAL INFORMATION:

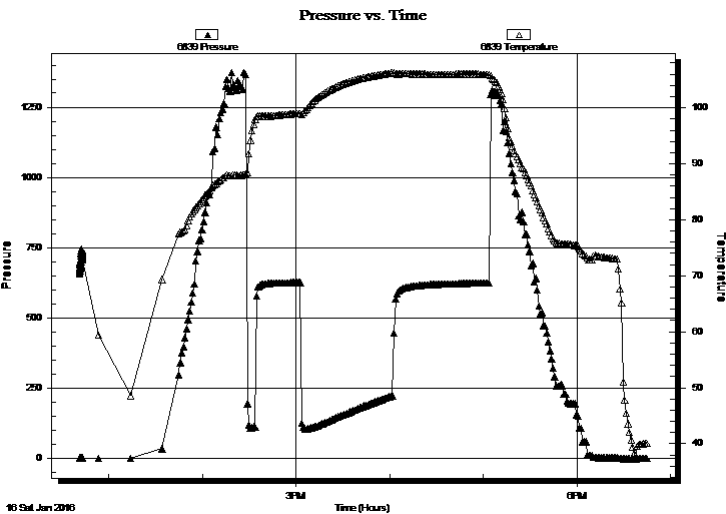
Formation: **Miss**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Reset)
 Time Tool Opened: 14:30:57 Tester: Brannan Lonsdale
 Time Test Ended: 18:45:27 Unit No: 62
Interval: 2674.00 ft (KB) To 2689.00 ft (KB) (TVD)
 Reference Elevations: 1457.00 ft (KB)
 Total Depth: 2689.00 ft (KB) (TVD) 1452.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6839 Outside

Press@RunDepth: psig @ 2686.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.01.16 End Date: 2016.01.16 Last Calib.: 2016.01.16
 Start Time: 12:41:15 End Time: 18:45:14 Time On Btm:
 Time Off Btm:

TEST COMMENT: 05- IF- BOB instantly. Gas to surface 5 mins
 30- IS- Surface blow
 60- FF- BOB instantly
 60- FS- Slowly built to 1 1/2"

PRESSURE SUMMARY



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

Recovery

Length (ft)	Description	Volume (bbl)
496.00	MW, 25%M 75%W	5.92
0.00	GTS	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64841

DST#: 2

ATTN: Brad Rine

Test Start: 2016.01.16 @ 12:41:27

Tool Information

Drill Pipe:	Length: 2537.00 ft	Diameter: 3.82 inches	Volume: 35.96 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	2674.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	15.00 ft			
Tool Length:	42.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2648.00	
Shut In Tool	5.00			2653.00	
Hydraulic tool	5.00			2658.00	
Jars	5.00			2663.00	
Safety Joint	2.00			2665.00	
Packer	5.00			2670.00	27.00 Bottom Of Top Packer
Packer	4.00			2674.00	
Stubb	1.00			2675.00	
Perforations	11.00			2686.00	
Recorder	0.00	6651	Inside	2686.00	
Recorder	0.00	6839	Outside	2686.00	
Bullnose	3.00			2689.00	15.00 Bottom Packers & Anchor

Total Tool Length: 42.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64841

DST#: 2

ATTN: Brad Rine

Test Start: 2016.01.16 @ 12:41:27

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:

55000 ppm

Viscosity: 58.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.97 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
496.00	MW, 25%M 75%W	5.920
0.00	GTS	0.000

Total Length: 496.00 ft

Total Volume: 5.920 bbl

Num Fluid Samples: 0

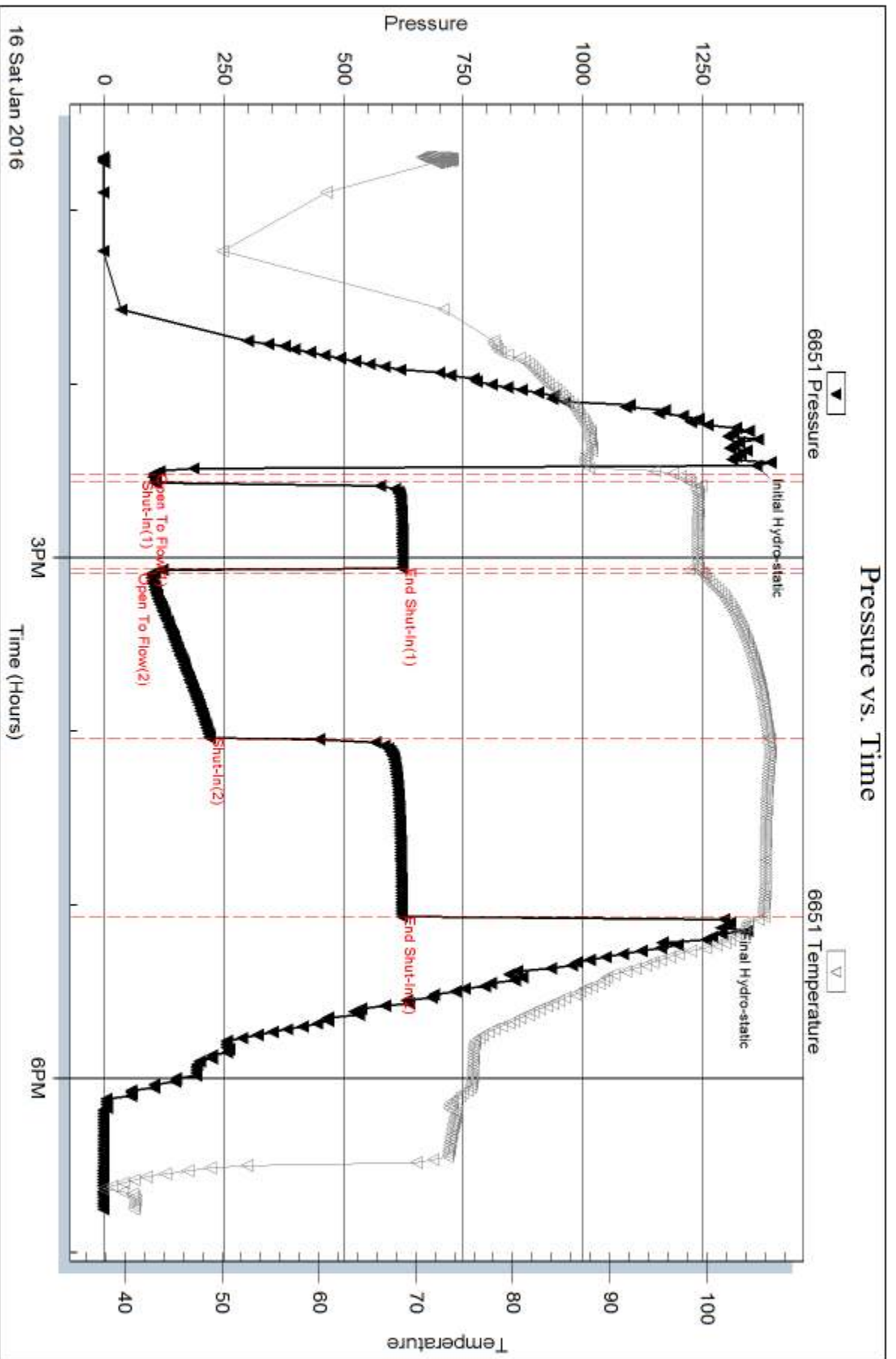
Num Gas Bombs: 0

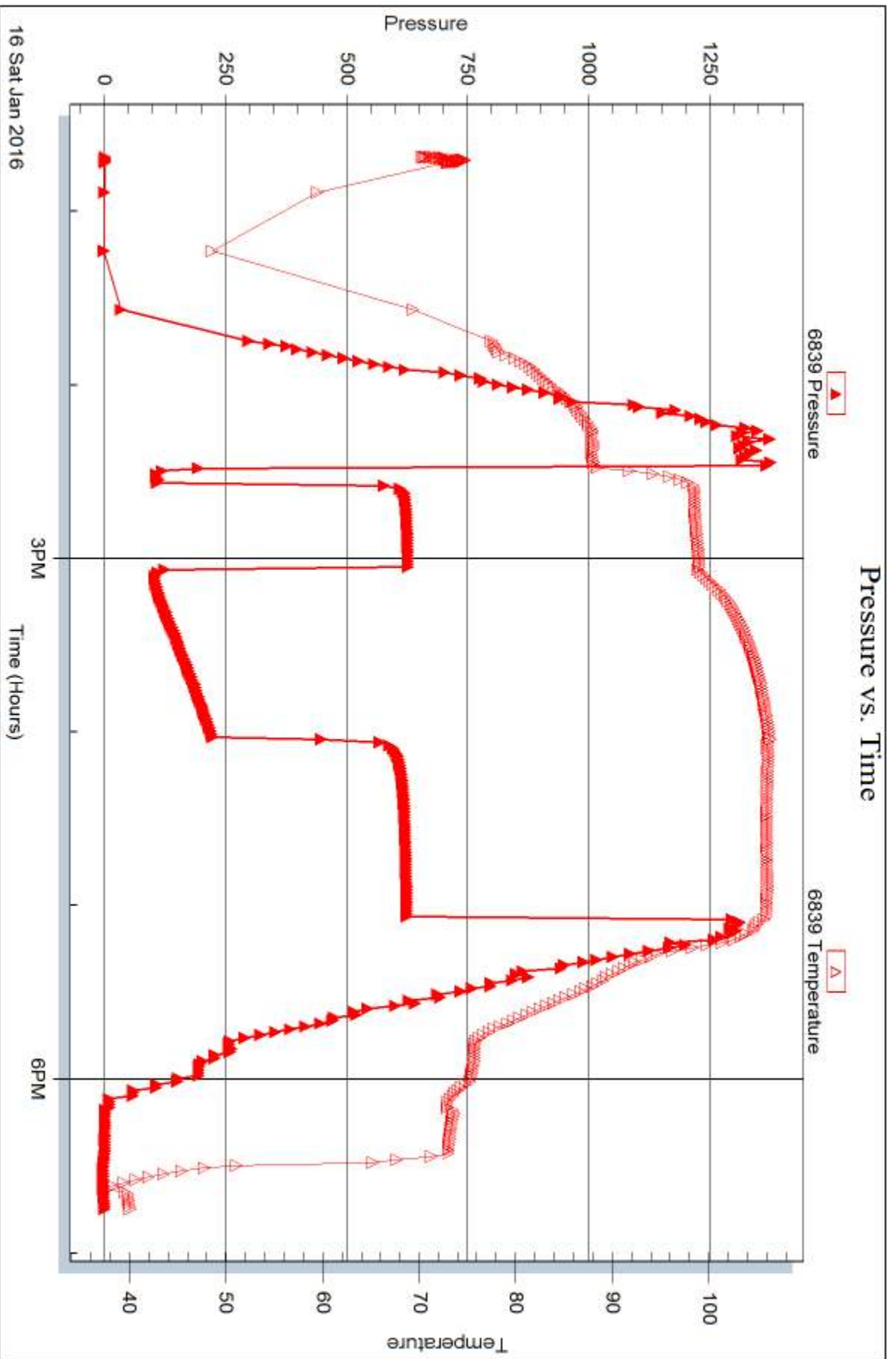
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Jost #1-29

29-19s-2e Marion,KS

Start Date: 2016.01.18 @ 00:23:06

End Date: 2016.01.18 @ 07:21:36

Job Ticket #: 64842 DST #: 3

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

Printed: 2016.01.20 @ 08:49:52

Carmen Schmitt, Inc.
29-19s-2e Marion,KS
Jost #1-29
DST # 3
Viola
2016.01.18



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
 PO Box 47
 Great Bend, KS 67530
 ATTN: Brad Rine

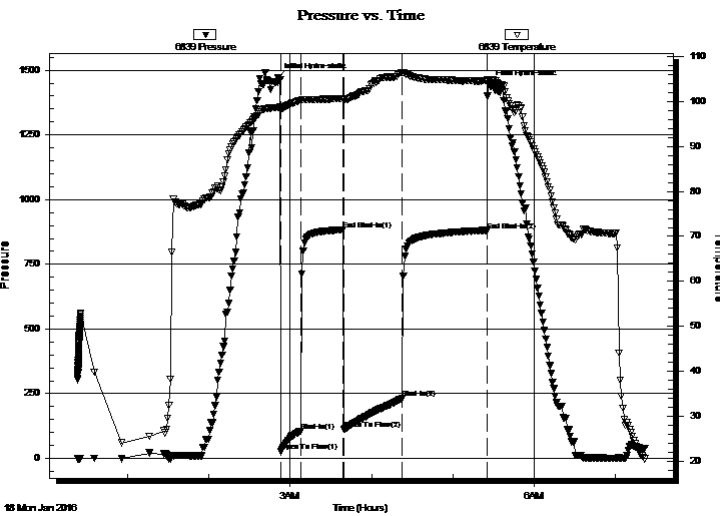
29-19s-2e Marion, KS
Jost #1-29
 Job Ticket: 64842 **DST#: 3**
 Test Start: 2016.01.18 @ 00:23:06

GENERAL INFORMATION:

Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:53:06
 Time Test Ended: 07:21:36
Interval: 2844.00 ft (KB) To 3090.00 ft (KB) (TVD)
 Total Depth: 3090.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brannan Lonsdale
 Unit No: 62
 Reference Elevations: 1457.00 ft (KB)
 1452.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6839 Outside
 Press@RunDepth: 231.11 psig @ 2866.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2016.01.18 End Date: 2016.01.18 Last Calib.: 2016.01.18
 Start Time: 00:23:07 End Time: 07:21:36 Time On Btm: 2016.01.18 @ 02:51:06
 Time Off Btm: 2016.01.18 @ 05:26:36

TEST COMMENT: 15- IF- Slowly built to 4"
 30- IS- No blow
 45- FF- BOB 28 mins
 60- FSI- No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1469.71	98.68	Initial Hydro-static
2	28.52	98.34	Open To Flow (1)
17	104.68	100.22	Shut-In(1)
48	883.82	100.67	End Shut-In(1)
49	111.17	100.48	Open To Flow (2)
92	231.11	106.47	Shut-In(2)
154	880.97	104.59	End Shut-In(2)
156	1444.07	104.87	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
402.00	M w/ trace of W	4.59

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

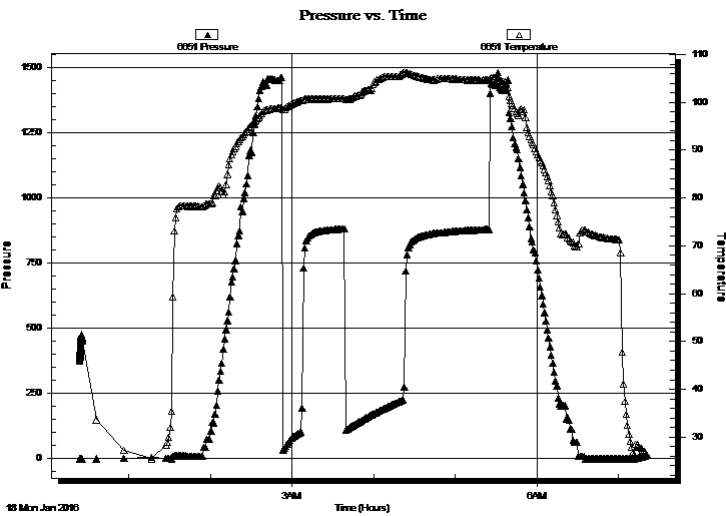
29-19s-2e Marion,KS
Jost #1-29
Job Ticket: 64842 **DST#: 3**
Test Start: 2016.01.18 @ 00:23:06

GENERAL INFORMATION:

Formation: Viola			
Deviated: No Whipstock:	ft (KB)	Test Type: Conventional Bottom Hole (Reset)	
Time Tool Opened: 02:53:06		Tester: Brannan Lonsdale	
Time Test Ended: 07:21:36		Unit No: 62	
Interval: 2844.00 ft (KB) To 3090.00 ft (KB) (TVD)		Reference Elevations: 1457.00 ft (KB)	
Total Depth: 3090.00 ft (KB) (TVD)		1452.00 ft (CF)	
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft	

Serial #: 6651	Inside				
Press@RunDepth:	psig @	2866.00 ft (KB)	Capacity:	8000.00 psig	
Start Date:	2016.01.18	End Date:	2016.01.18	Last Calib.:	2016.01.18
Start Time:	00:23:59	End Time:	07:20:58	Time On Btm:	
				Time Off Btm:	

TEST COMMENT: 15- IF- Slowly built to 4"
30- IS- No blow
45- FF- BOB 28 mins
60- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
402.00	Mw / trace of W	4.59

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64842

DST#: 3

ATTN: Brad Rine

Test Start: 2016.01.18 @ 00:23:06

Tool Information

Drill Pipe:	Length: 2730.00 ft	Diameter: 3.82 inches	Volume: 38.70 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 61000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	33.00 ft			String Weight: Initial 57000.00 lb
Depth to Top Packer:	2844.00 ft			Final 59000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	246.00 ft			
Tool Length:	273.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			2818.00	
Shut In Tool	5.00			2823.00	
Hydraulic tool	5.00			2828.00	
Jars	5.00			2833.00	
Safety Joint	2.00			2835.00	
Packer	5.00			2840.00	27.00 Bottom Of Top Packer
Packer	4.00			2844.00	
Stubb	1.00			2845.00	
Perforations	20.00			2865.00	
Change Over Sub	1.00			2866.00	
Recorder	0.00	6651	Inside	2866.00	
Recorder	0.00	6839	Outside	2866.00	
Drill Pipe	220.00			3086.00	
Change Over Sub	1.00			3087.00	
Bullnose	3.00			3090.00	246.00 Bottom Packers & Anchor

Total Tool Length: 273.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64842

DST#: 3

ATTN: Brad Rine

Test Start: 2016.01.18 @ 00:23:06

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2200.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
402.00	M w / trace of W	4.588

Total Length: 402.00 ft Total Volume: 4.588 bbl

Num Fluid Samples: 0

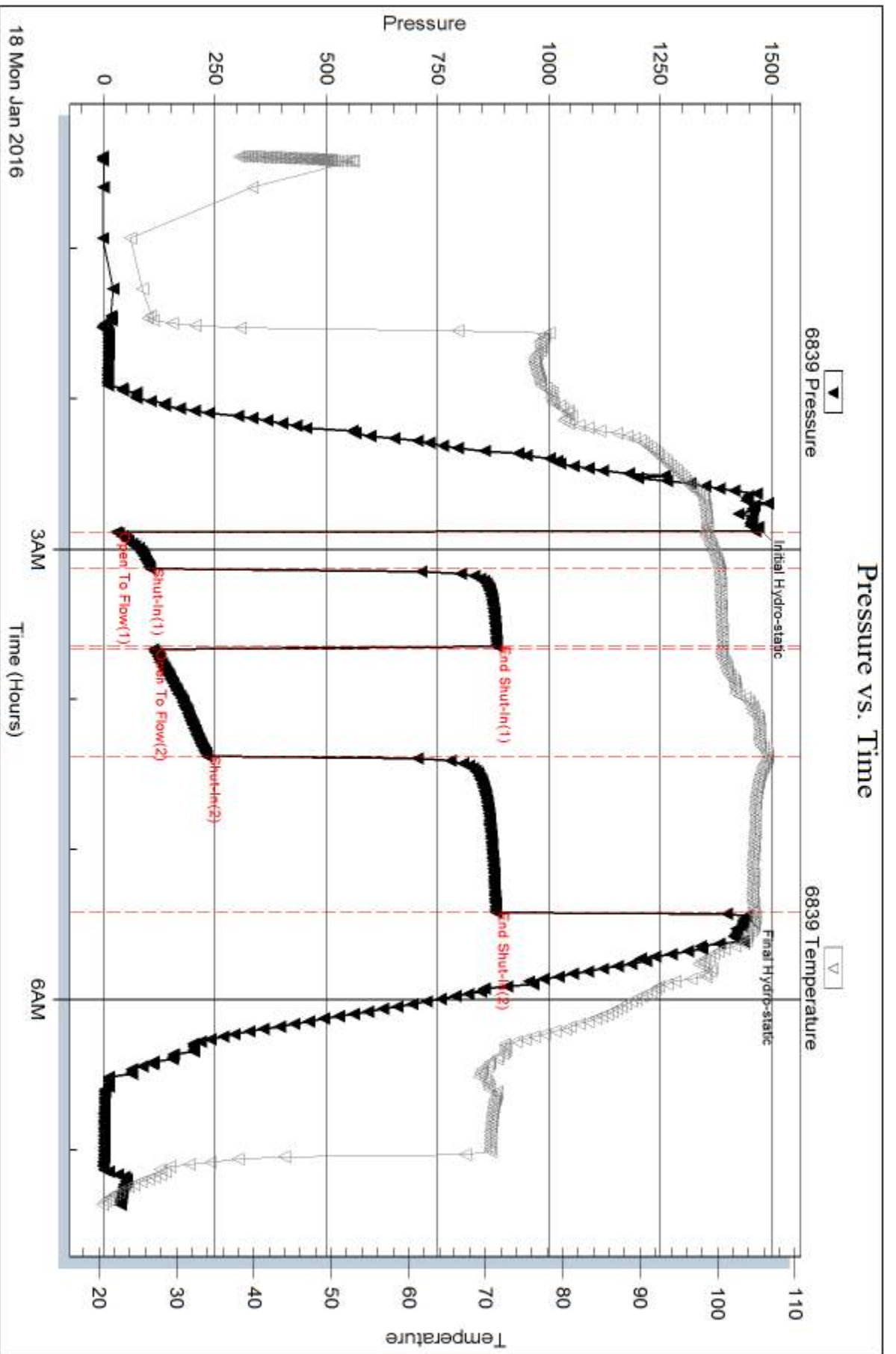
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



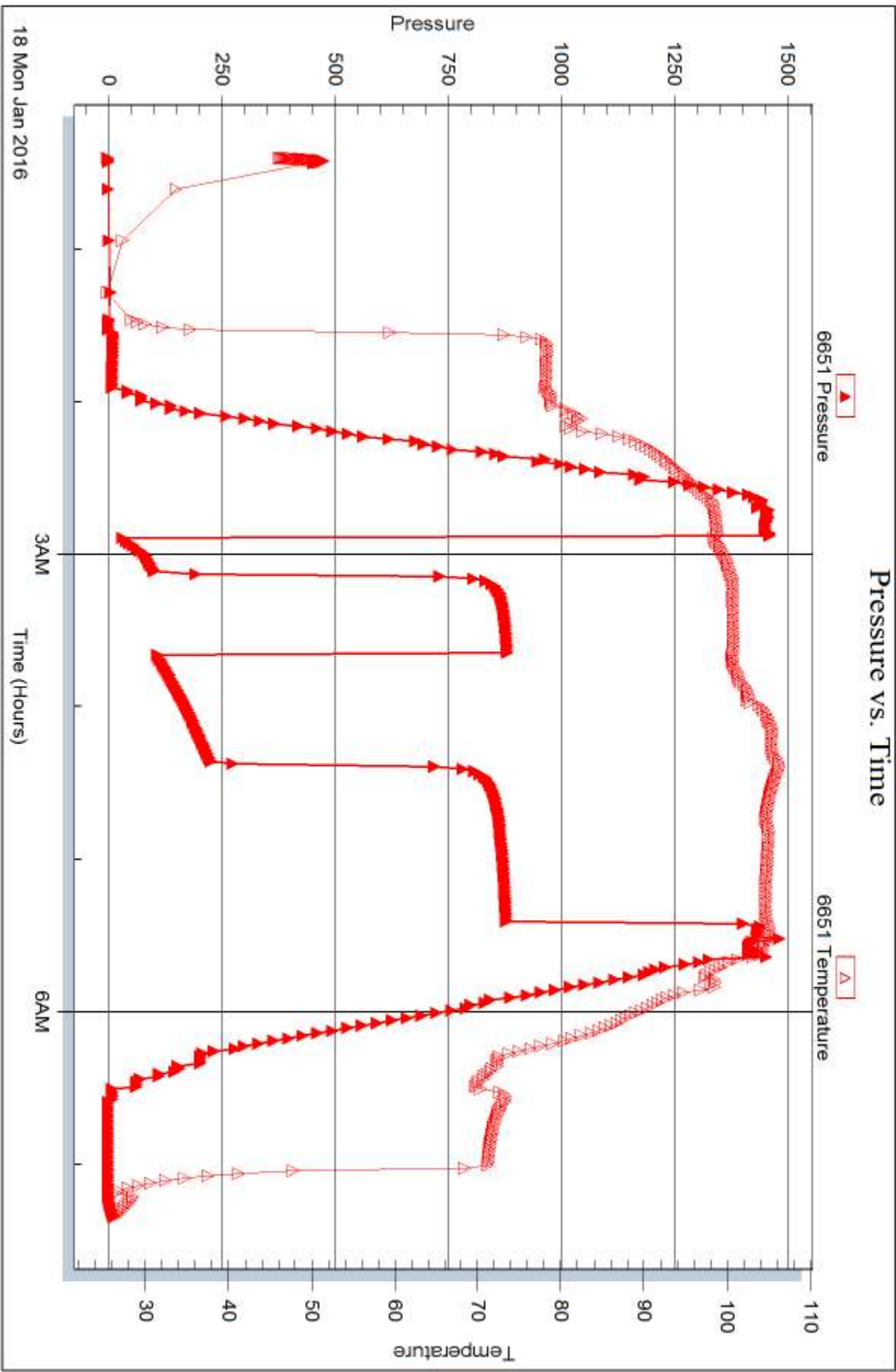
Serial #: 6651

Inside

Carmen Schmitt, Inc.

Jost #1-29

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 64842

Printed: 2016.01.20 @ 08:49:55



DRILL STEM TEST REPORT

Prepared For: **Carmen Schmitt, Inc.**

PO Box 47
Great Bend, KS 67530

ATTN: Brad Rine

Jost #1-29

29-19s-2e Marion,KS

Start Date: 2016.01.18 @ 20:10:28

End Date: 2016.01.19 @ 03:06:58

Job Ticket #: 64843 DST #: 4

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

Printed: 2016.01.20 @ 08:48:16



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

29-19s-2e Marion, KS
Jost #1-29
Job Ticket: 64843 **DST#: 4**
Test Start: 2016.01.18 @ 20:10:28

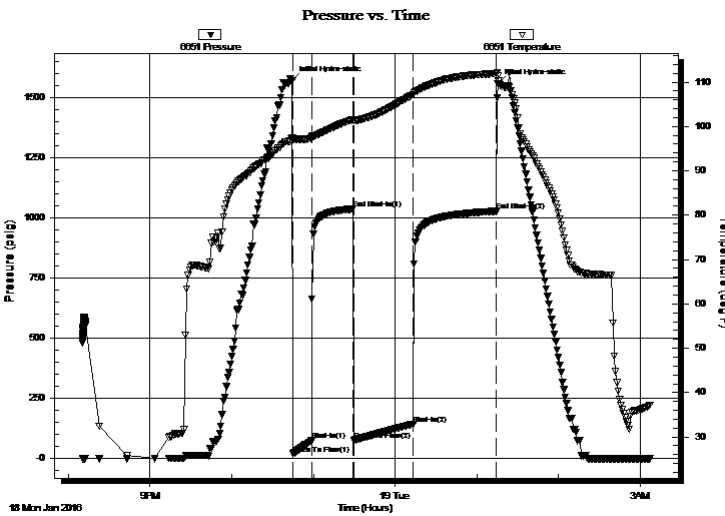
GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)
Time Tool Opened: 22:44:58 Tester: Brannan Lonsdale
Time Test Ended: 03:06:58 Unit No: 62
Interval: 3141.00 ft (KB) To 3182.00 ft (KB) (TVD) Reference Elevations: 1457.00 ft (KB)
Total Depth: 3182.00 ft (KB) (TVD) 1452.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 6651 Inside
Press@RunDepth: 143.17 psig @ 3147.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2016.01.18 End Date: 2016.01.19 Last Calib.: 2016.01.19
Start Time: 20:10:29 End Time: 03:06:58 Time On Btm: 2016.01.18 @ 22:44:28
Time Off Btm: 2016.01.19 @ 01:15:28

TEST COMMENT: 15- IF- Steady build to 7"
30- IS- No blow
45- FF- BOB 23 mins
60- FSI- No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.32	97.36	Initial Hydro-static
1	18.32	97.01	Open To Flow (1)
14	73.08	97.38	Shut-In(1)
45	1037.21	101.53	End Shut-In(1)
46	75.34	101.29	Open To Flow (2)
89	143.17	107.26	Shut-In(2)
150	1027.78	111.93	End Shut-In(2)
151	1558.67	111.35	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
277.00	MW, 30%M 70%W	2.82

* Recovery from multiple tests

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Carmen Schmitt, Inc.
PO Box 47
Great Bend, KS 67530
ATTN: Brad Rine

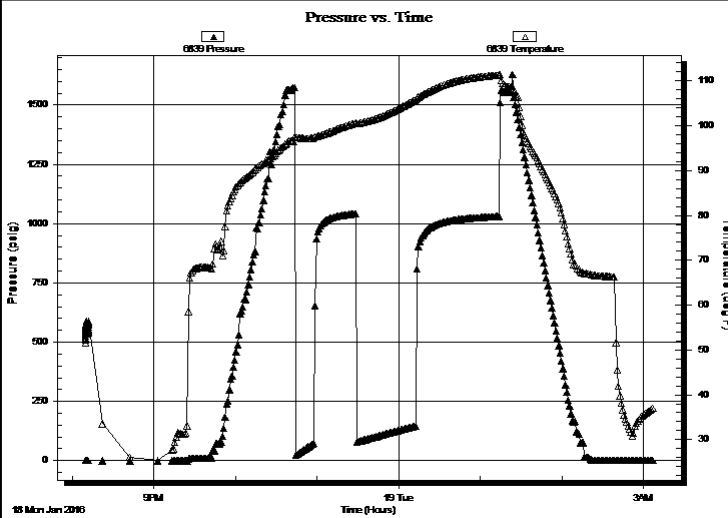
29-19s-2e Marion, KS
Jost #1-29
Job Ticket: 64843 **DST#: 4**
Test Start: 2016.01.18 @ 20:10:28

GENERAL INFORMATION:

Formation: **Simpson**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:44:58
Time Test Ended: 03:06:58
Interval: 3141.00 ft (KB) To 3182.00 ft (KB) (TVD)
Total Depth: 3182.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Reset)
Tester: Brannan Lonsdale
Unit No: 62
Reference Elevations: 1457.00 ft (KB)
1452.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6839 Outside
Press@RunDepth: psig @ 3147.00 ft (KB)
Start Date: 2016.01.18 End Date: 2016.01.19
Start Time: 20:10:01 End Time: 03:06:30
Capacity: 8000.00 psig
Last Calib.: 2016.01.19
Time On Btm:
Time Off Btm:

TEST COMMENT: 15- IF- Steady build to 7"
30- IS- No blow
45- FF- BOB 23 mins
60- FS- No blow



PRESSURE SUMMARY

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

Recovery

Length (ft)	Description	Volume (bbl)
277.00	MW, 30%M 70%W	2.82

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64843

DST#: 4

ATTN: Brad Rine

Test Start: 2016.01.18 @ 20:10:28

Tool Information

Drill Pipe:	Length: 3015.00 ft	Diameter: 3.82 inches	Volume: 42.74 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	67000.00 lb
			<u>Total Volume:</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3141.00 ft			Final	59000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	41.00 ft				
Tool Length:	68.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3115.00	
Shut In Tool	5.00			3120.00	
Hydraulic tool	5.00			3125.00	
Jars	5.00			3130.00	
Safety Joint	2.00			3132.00	
Packer	5.00			3137.00	27.00 Bottom Of Top Packer
Packer	4.00			3141.00	
Stubb	1.00			3142.00	
Perforations	4.00			3146.00	
Change Over Sub	1.00			3147.00	
Recorder	0.00	6651	Inside	3147.00	
Recorder	0.00	6839	Outside	3147.00	
Drill Pipe	31.00			3178.00	
Change Over Sub	1.00			3179.00	
Bullnose	3.00			3182.00	41.00 Bottom Packers & Anchor

Total Tool Length: 68.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Carmen Schmitt, Inc.

29-19s-2e Marion,KS

PO Box 47
Great Bend, KS 67530

Jost #1-29

Job Ticket: 64843

DST#: 4

ATTN: Brad Rine

Test Start: 2016.01.18 @ 20:10:28

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

77000 ppm

Viscosity: 44.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.19 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1600.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
277.00	MW, 30%M 70%W	2.816

Total Length: 277.00 ft Total Volume: 2.816 bbl

Num Fluid Samples: 0

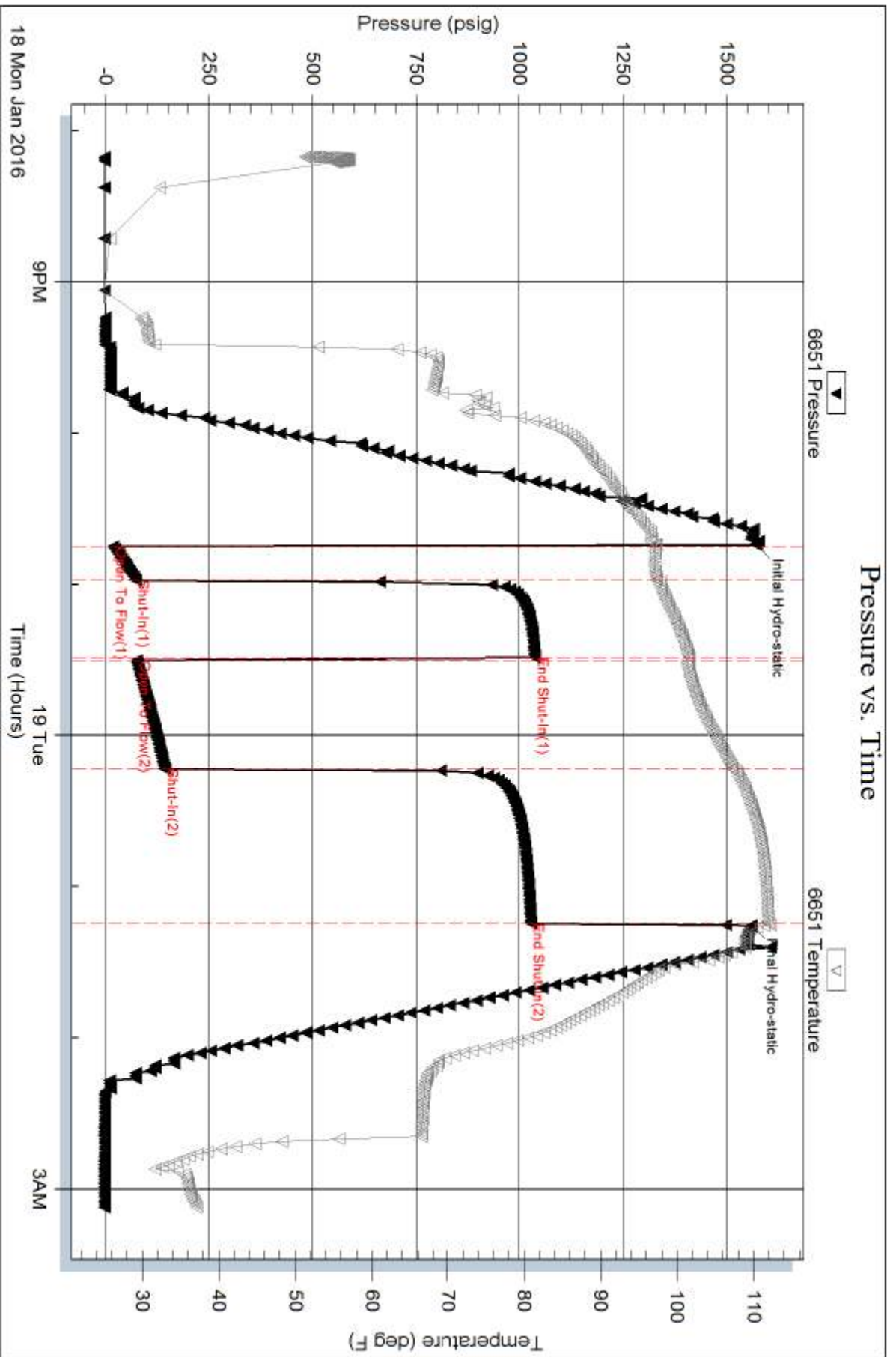
Num Gas Bombs: 0

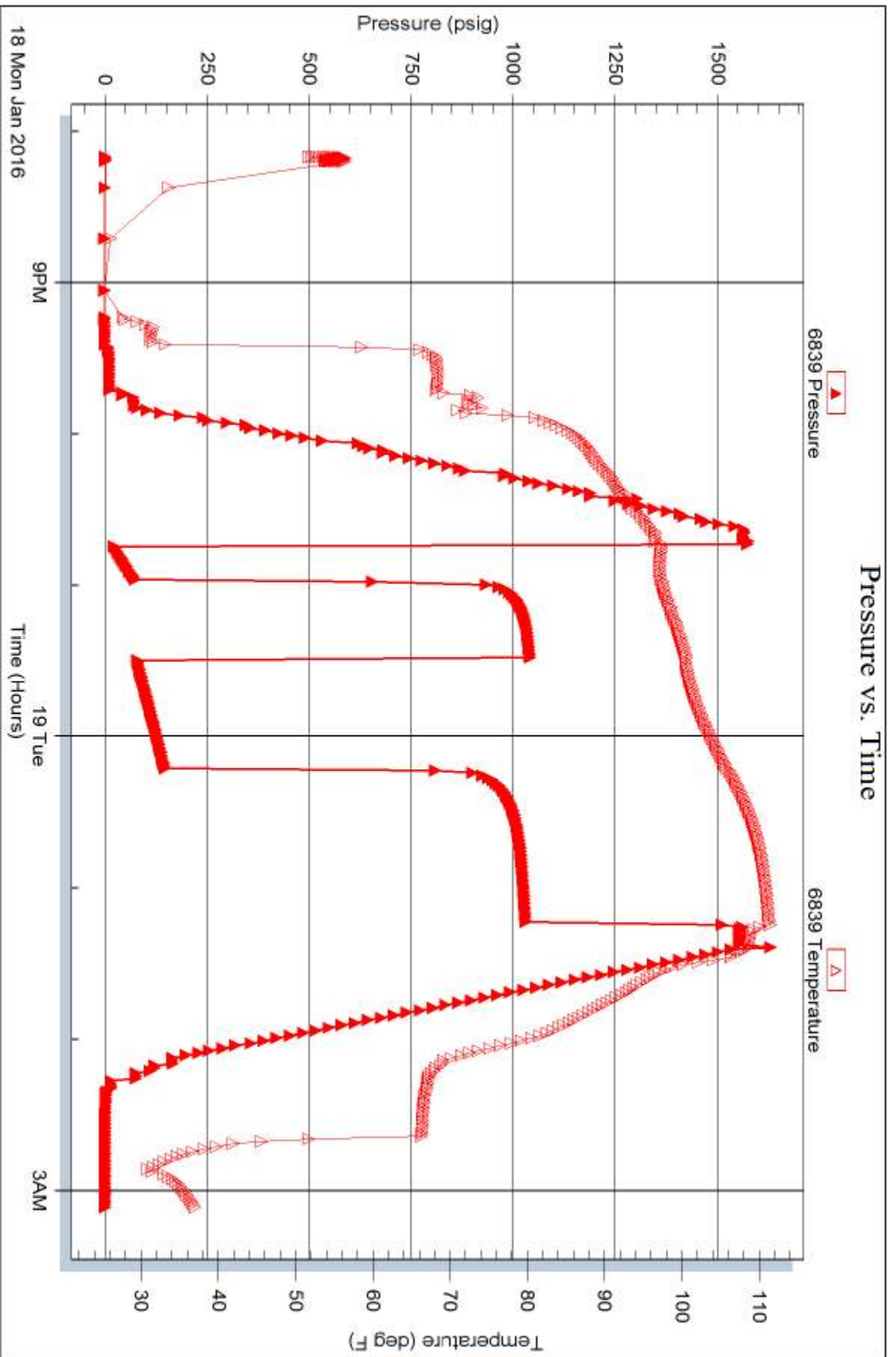
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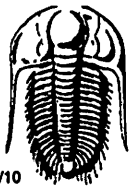
Laboratory Name:

Laboratory Location:

Recovery Comments:







TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64840

Well Name & No. Test #1-29 Test No. 1 Date 1/16/16
 Company Carmen Schmidt, Inc. Elevation 1457 KB 1452 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig WW #4
 Location: Sec. 29 Twp. 19 S Rge. 2 E Co. Marion State KS

Interval Tested 2617-2674 Zone Tested MISS
 Anchor Length 57' Drill Pipe Run 2473 Mud Wt. 9.4
 Top Packer Depth 2612 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 2617 Wt. Pipe Run _____ WL 8.0
 Total Depth 2674 Chlorides 1800 ppm System LCM 1#

Blow Description IF - BOB 15secs
ISI - Surface flow throughout. Gas to surface @ 2 min while bleeding off
PF - BOB instantly
FST - No flow

Rec	Feet of	%gas	%oil	%water	%mud
<u>62</u>	<u>SWM</u>		<u>2</u>	<u>98</u>	
<u>310</u>	<u>M</u>				
	<u>2221' GIP</u>				

Rec Total 372' BHT 102° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1331</u> <u>1331</u>	<input checked="" type="checkbox"/> Test <u>1050</u>	T-On Location <u>0048</u>
(B) First Initial Flow <u>193</u> <u>193</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0111</u>
(C) First Final Flow <u>200</u> <u>610</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0416</u>
(D) Initial Shut-In <u>610</u> <u>108</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>0636</u>
(E) Second Initial Flow <u>158</u> <u>199</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0841</u>
(F) Second Final Flow <u>199</u>	<input checked="" type="checkbox"/> Mileage <u>171</u> <u>322 RT</u>	Comments _____
(G) Final Shut-In <u>608</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1254</u>	<input type="checkbox"/> Straddle _____	
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Shale Packer _____
Initial Open <u>5</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	<input type="checkbox"/> Extra Copies _____
Final Flow <u>45</u>	<input type="checkbox"/> Day Standby _____	Sub Total <u>0</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility _____	Total <u>1546</u>
	Sub Total <u>1546</u>	MP/DST Disc't _____

Approved By _____ Our Representative Brannan Lonsdale

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



GELOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

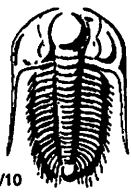
Carmen Schmitt, Inc.
OPERATOR

Test # 1-29
WELL NAME AND NO.

1
DST NO.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
				10	11	1/4	40,295
				20	}	}	}
			30				
			40				
			45				

Remarks:



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64841

Well Name & No. Test #1-29 Test No. 2 Date 1/16/16
 Company Carmen Schmitt, Inc. Elevation 1457 KB 1452 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig WW #4
 Location: Sec. 29 Twp. 19 S Rge. 2 E Co. Marion State KS

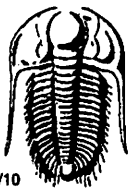
Interval Tested 2674-2689 Zone Tested MISS
 Anchor Length 15' Drill Pipe Run 2537 Mud Wt. 9.2
 Top Packer Depth 2669 Drill Collars Run 120 Vis 58
 Bottom Packer Depth 2674 Wt. Pipe Run — WL 8.0
 Total Depth 2689 Chlorides 1600 ppm System LCM 1#
 Blow Description IF-BOB instantly. Gas to surface 5 mins
ISI - Surface blow
FF-BOB instantly
FST - slowly built to 1 1/2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>496</u>	<u>Feet of MW</u>			<u>75</u>	<u>25</u>
Rec	Feet of <u>2097' GIP</u>				
Rec	Feet of				
Rec	Feet of				
Rec	Feet of				

Rec Total 496' BHT 106° Gravity — API RW .21 @ 42 °F Chlorides 35,000 ppm
 (A) Initial Hydrostatic 1362 Test 1050 T-On Location 1155
 (B) First Initial Flow 102 Jars 250 T-Started 1241
 (C) First Final Flow 107 Safety Joint 75 T-Open 1428
 (D) Initial Shut-In 623 Circ Sub — T-Pulled 1703
 (E) Second Initial Flow 99 Hourly Standby — T-Out 1845
 (F) Second Final Flow 220 Mileage 322 RT ⁸ Comments —
 (G) Final Shut-In 620 Sampler —
 (H) Final Hydrostatic 1294 Straddle —
 Ruined Shale Packer —
 Ruined Packer —
 Extra Copies —
 Initial Open 5 Extra Packer —
 Initial Shut-In 30 Extra Recorder —
 Final Flow 60 Day Standby —
 Final Shut-In 60 Accessibility —
 Sub Total 1383 Sub Total 1383 MP/DST Disc't —

Approved By _____ Our Representative Brannan Lonsdale

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



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64842

4/10

Well Name & No. Just #1-29 Test No. 3 Date 1/18/16
 Company Carmen Schmitt, Inc. Elevation 1457 KB 1452 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rone Rig WW #4
 Location: Sec. 29 Twp. 19 S Rge. 2 E Co. Marion State KS

Interval Tested 2844-3090 Zone Tested Viola
 Anchor Length 246' Drill Pipe Run 2730 Mud Wt. 9.7
 Top Packer Depth 2839 Drill Collars Run 120 Vis 54
 Bottom Packer Depth 2844 Wt. Pipe Run — WL 8.4
 Total Depth 3090 Chlorides 2200 ppm System LCM 1#
 Blow Description IF - Slowly built to 4"
ISI - No blow
FF - BAB 28 mins
FSI - No blow

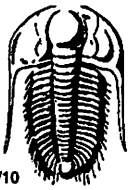
Rec	Feet of	%gas	%oil	%water	%mud
<u>402</u>	<u>M w/ trace of W</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 402 BHT 105° Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1470 Test 1050 T-On Location 1/17 2345
 (B) First Initial Flow 29 Jars 250 T-Started 0023
 (C) First Final Flow 105 Safety Joint 75 T-Open 0252
 (D) Initial Shut-In 884 Circ Sub _____ T-Pulled 0522
 (E) Second Initial Flow 111 Hourly Standby _____ T-Out 0720
 (F) Second Final Flow 231 Mileage 322 RT ¹⁷¹ Comments _____
 (G) Final Shut-In 881 Sampler _____
 (H) Final Hydrostatic 1444 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1546
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1546

Approved By _____ Our Representative Brannan Lonsdale

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 64843

Well Name & No. Just #1-29 Test No. 4 Date 1/18/16
 Company Carmen Schmitt, Inc. Elevation 1457 KB 1452 GL
 Address PO Box 47 Great Bend, KS 67530
 Co. Rep / Geo. Brad Rine Rig WW#4
 Location: Sec. 29 Twp. 19 3 Rge. 2 E Co. Marion State KS

Interval Tested 3141-3182 Zone Tested Simpson
 Anchor Length 41' Drill Pipe Run 3015 Mud Wt. 9.75
 Top Packer Depth 3136 Drill Collars Run 120 Vis 44
 Bottom Packer Depth 3181 Wt. Pipe Run — WL 7.2
 Total Depth 3182 Chlorides 1,600 ppm System LCM 2#

Blow Description IF - Steady build to 7"
ISI - No blow
FF - BOB 23 mins
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>277</u>	<u>MW</u>			<u>70</u>	<u>30</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 277 BHT 112° Gravity — API RW .97 @ 35° F Chlorides 77,600 ppm

(A) Initial Hydrostatic 1572 Test 1050 T-On Location 1955
 (B) First Initial Flow 18 Jars 250 T-Started 2010
 (C) First Final Flow 73 Safety Joint 75 T-Open 2244
 (D) Initial Shut-In 1037 Circ Sub — T-Pulled 0114
 (E) Second Initial Flow 75 Hourly Standby — T-Out 0307
 (F) Second Final Flow 143 Mileage 322 RT ¹⁷¹⁺⁸ Comments Loaded feeds 1/19 @
 (G) Final Shut-In 1028 Sampler — 1945 stayed 3 nights @
 (H) Final Hydrostatic 1539 Straddle — Country Haven Inn, Hillsboro, KS

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Initial Open 15
 Initial Shut-In 30
 Final Flow 45
 Final Shut-In 60
 Accessibility —
 Sub Total 1554
 Sub Total 1554
 Total 1554
 MP/DST Disc't —

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