



## DRILL STEM TEST REPORT

Prepared For: **PAULEY GATYdba PAULEY OIL**

314 5th STREET  
CLAFLIN, KANSAS 67525

ATTN: JIM MUSGROVE

**OLIVIA 1**

**16=15S-10W ELLSWORTH**

Start Date: 2017.02.26 @ 16:28:00

End Date: 2017.02.26 @ 09:18:00

Job Ticket #: 01155                      DST #: 3

Eagle Testers  
1309 Patton Road    Great Bend, Kansas 67530  
620-791-7394

Printed: 2017.02.26 @ 21:34:59

PAULEY GATYdba PAULEY OIL    16=15S-10W ELLSWORTH    OLIVIA 1    DST # 3    ARBUCKLE    2017.02.26



# DRILL STEM TEST REPORT

PAULEY GATY dba PAULEY OIL

16=15S-10W ELLSWORTH

314 5th STREET  
CLAFLIN, KANSAS 67525

OLIVIA 1

Job Ticket: 01155

DST#: 3

ATTN: JIM MUSGROVE

Test Start: 2017.02.26 @ 16:28:00

## GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:00:00

Time Test Ended: 09:18:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3319.00 ft (KB) To 3431.00 ft (KB) (TVD)**

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3431.00 ft (KB) (TVD)

1865.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: **9139** Inside

Press@RunDepth: 974.75 psia @ 3426.28 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.02.26

End Date: 2017.02.26

Last Calib.: 2017.02.26

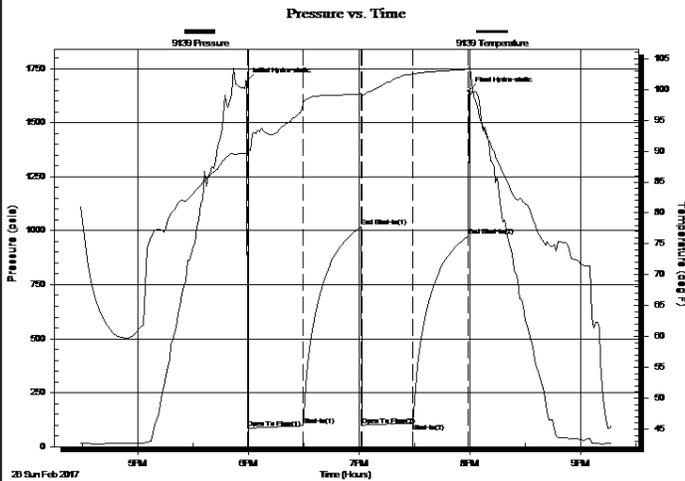
Start Time: 16:28:00

End Time: 21:17:30

Time On Btm: 2017.02.26 @ 17:59:00

Time Off Btm: 2017.02.26 @ 19:59:30

TEST COMMENT: 1ST OPENING 30 MINUTES WEAK BLOW FOR 12 MINUTES AND DIED  
1ST SHUT-IN 30 MINUTES NO BLOW BACK  
2ND OPENING 30 MINUTES VERY WEAK SURFACE BLOW THROUGH OUT  
2ND SHUT-IN 30 MINUTES NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1690.12	89.67	Initial Hydro-static
1	85.72	89.37	Open To Flow (1)
31	98.12	97.65	Shut-In(1)
62	1017.17	99.27	End Shut-In(1)
63	100.43	99.04	Open To Flow (2)
90	108.72	102.47	Shut-In(2)
120	974.75	103.24	End Shut-In(2)
121	1647.25	103.57	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	DRILLING MUD WITH A SLIGHT TRACE OIL	0.77

## Gas Rates

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



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**OLIVIA 1**

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Total Depth: 3431.00 ft (KB) (TVD)

1865.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

**Serial #: 91716 Outside**

Press@RunDepth: 1012.07 psia @ 3426.28 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.02.26

End Date: 2017.02.26

Last Calib.: 2017.02.26

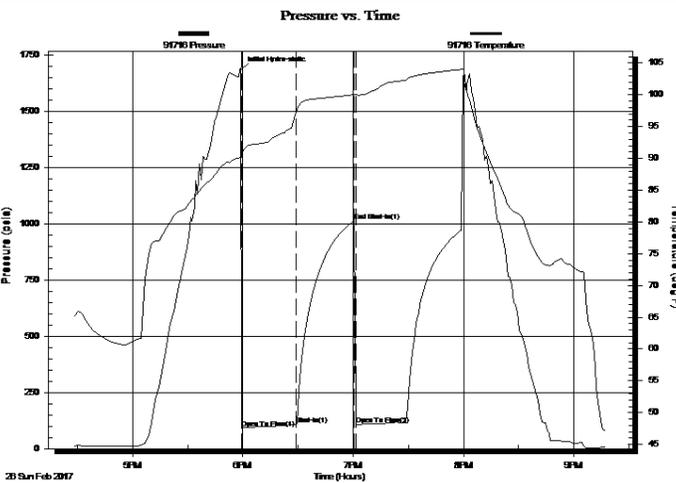
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2ND SHUT-IN 30 MINUTES NO BLOW BACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1682.60	90.29	Initial Hydro-static
1	93.02	90.47	Open To Flow (1)
30	107.33	97.26	Shut-In(1)
62	1012.07	100.01	End Shut-In(1)
63	108.29	100.01	Open To Flow (2)

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	DRILLING MUD WITH A SLIGHT TRACE OIL	0.77

## Gas Rates

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



# DRILL STEM TEST REPORT

TOOL DIAGRAM

PAULEY GATY dba PAULEY OIL

16=15S-10W ELLSWORTH

314 5th STREET  
CLAFLIN, KANSAS 67525

OLIVIA 1

Job Ticket: 01155

DST#: 3

ATTN: JIM MUSGROVE

Test Start: 2017.02.26 @ 16:28:00

## Tool Information

Drill Pipe:	Length: 3330.00 ft	Diameter: 3.80 inches	Volume: 46.71 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			Total Volume: 46.71 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	3319.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	112.28 ft			
Tool Length:	132.28 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3304.00	
Hydraulic tool	5.00			3309.00	
Top Packer	5.00			3314.00	
Packer	5.00			3319.00	20.00 Bottom Of Top Packer
Anchor	0.00			3319.00	
Change Over Sub	0.75			3319.75	
Drill Pipe	94.78			3414.53	
Change Over Sub	0.75			3415.28	
Anchor	11.00			3426.28	
Recorder	0.00	9139	Inside	3426.28	
Recorder	0.00	91716	Outside	3426.28	
Bullnose	5.00			3431.28	112.28 Anchor Tool

**Total Tool Length: 132.28**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

PAULEY GATY dba PAULEY OIL

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CLAFLIN, KANSAS 67525

**OLIVIA 1**

Job Ticket: 01155

**DST#: 3**

ATTN: JIM MUSGROVE

Test Start: 2017.02.26 @ 16:28:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.20 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: 1.00 inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	DRILLING MUD WITH A SLIGHT TRACE OF OIL	0.772

Total Length: 55.00 ft      Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 9139

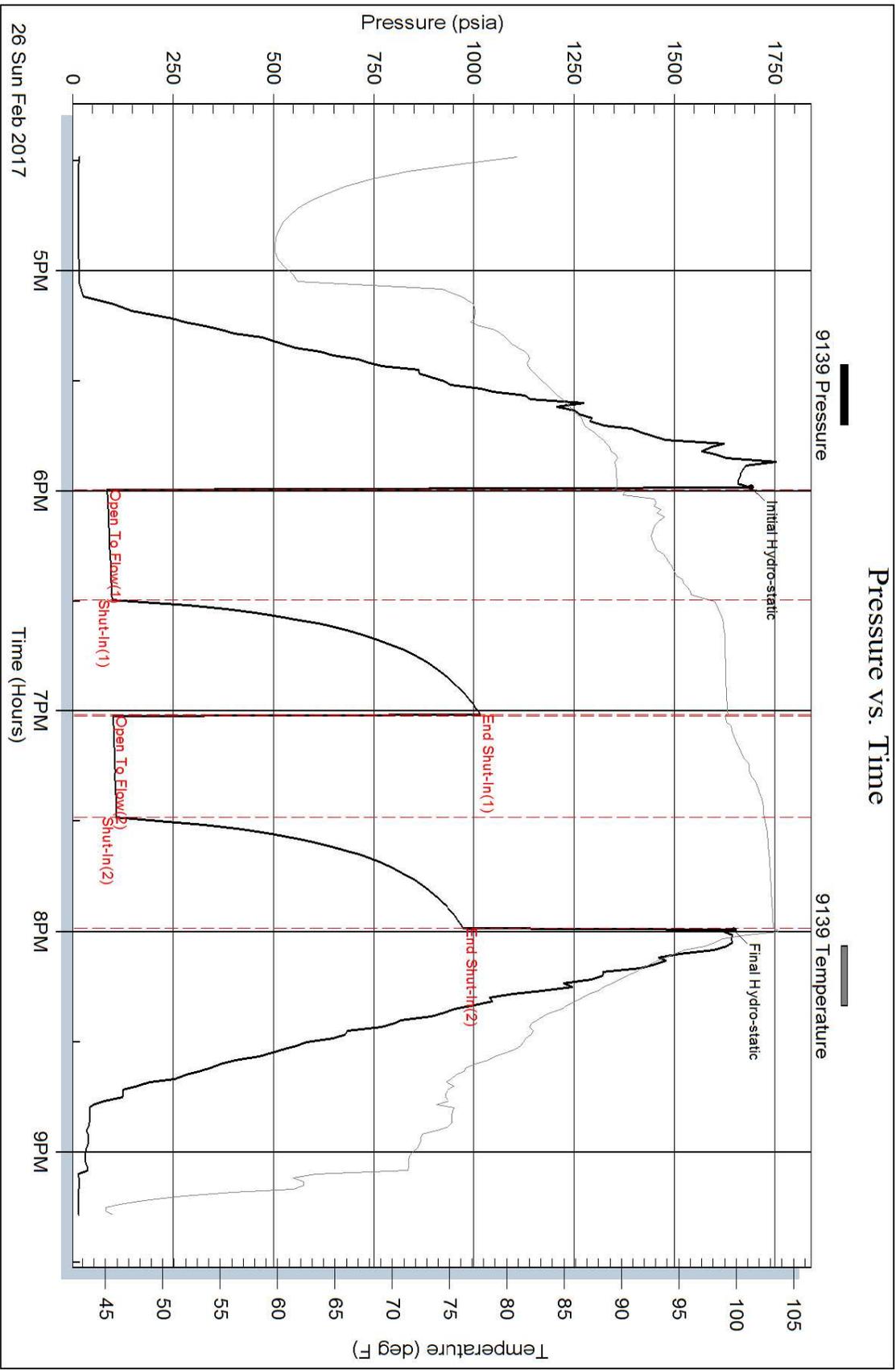
Inside

PAULEY GATY dba PAULEY OIL

OLIVA 1

DST Test Number: 3

### Pressure vs. Time



Eagle Testers

Ref. No: 01155

Printed: 2017.02.26 @ 21:35:01

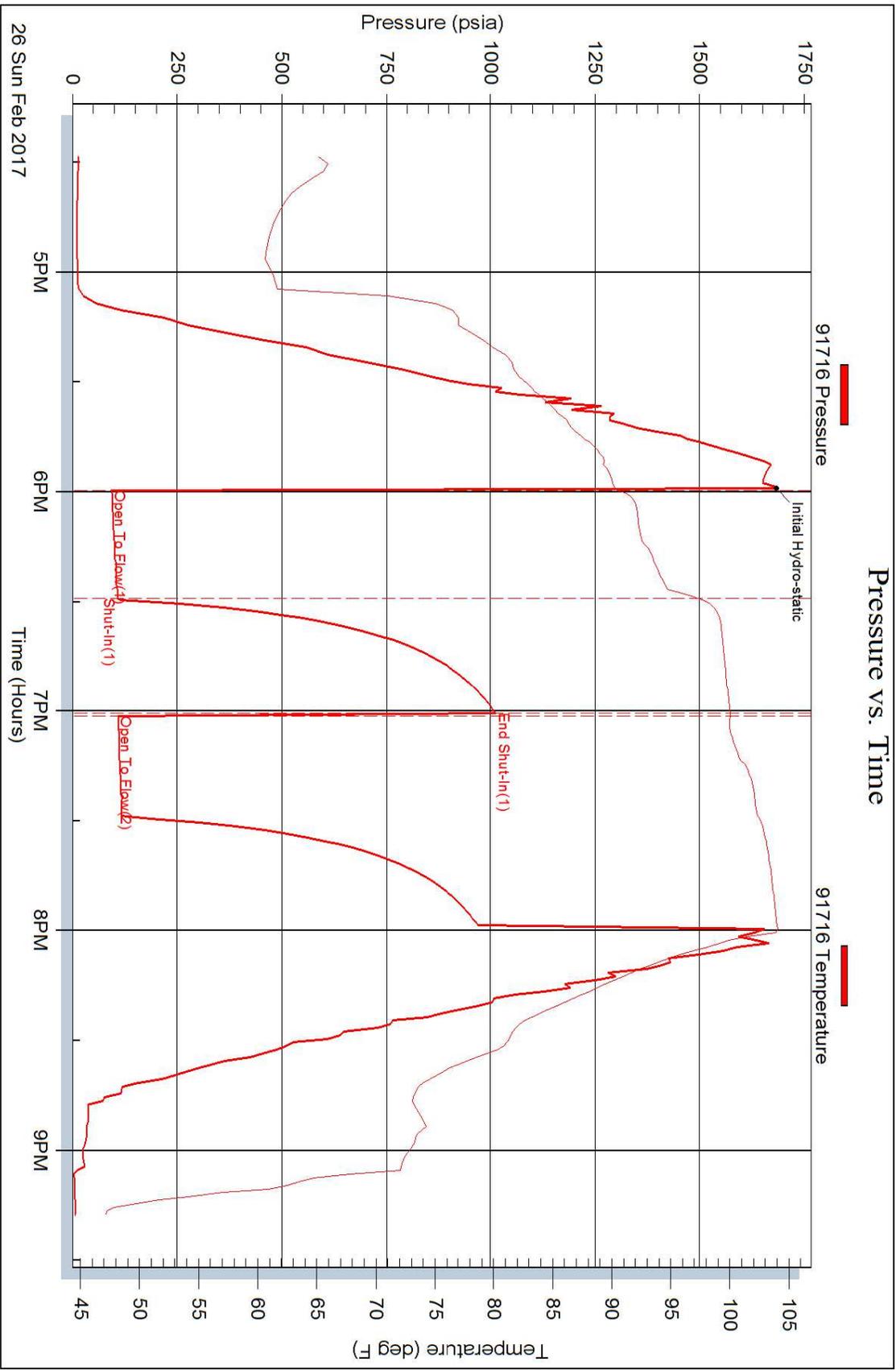
Serial #: 91716

Outside PAULEY GATY dba PAULEY OIL

OLIVA 1

DST Test Number: 3

### Pressure vs. Time



Eagle Testers

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