



DRILL STEM TEST REPORT

Prepared For: **PAULEY GATYdba PAULEY OIL**

314 5th STREET
CLAFLIN, KANSAS 67525

ATTN:

OLIVIA 1

16=15S-10W ELLSWORTH

Start Date: 2017.02.25 @ 15:54:00

End Date: 2017.02.25 @ 09:24:00

Job Ticket #: 01153 DST #: 1

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

Printed: 2017.02.25 @ 21:42:46

PAULEY GATYdba PAULEY OIL 16=15S-10W ELLSWORTH OLIVIA 1 DST # 1 ARBUCKLE 2017.02.25



DRILL STEM TEST REPORT

PAULEY GATY dba PAULEY OIL

16=15S-10W ELLSWORTH

314 5th STREET
CLAFLIN, KANSAS 67525

OLIVIA 1

Job Ticket: 01153

DST#: 1

ATTN:

Test Start: 2017.02.25 @ 15:54:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:46:00

Time Test Ended: 09:24:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1-

Interval: **3319.00 ft (KB) To 3415.00 ft (KB) (TVD)**

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3415.00 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: 746.39 psia @ 3409.78 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.02.25

End Date: 2017.02.25

Last Calib.: 2017.02.25

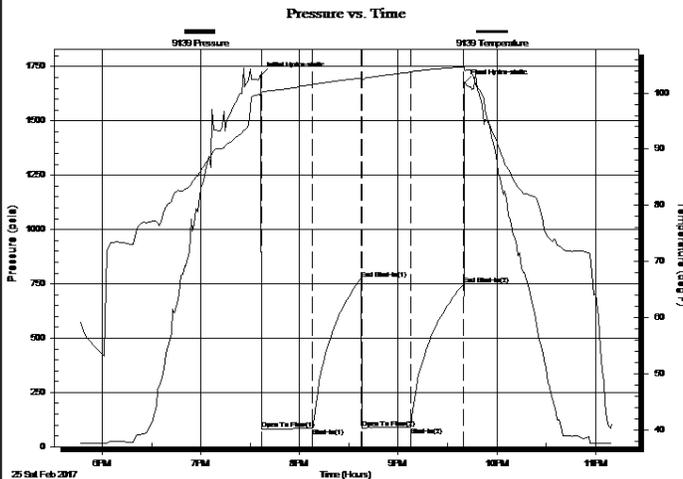
Start Time: 17:46:00

End Time: 23:10:00

Time On Btm: 2017.02.25 @ 19:36:30

Time Off Btm: 2017.02.25 @ 21:40:30

TEST COMMENT: 1ST OPENING 30 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED
1ST SHUT-IN 30 MINUTES NO BLOW BACK
2ND OPENING 30 MINUTES WEAK SURFACE BLOW DECREASED TO WEAK INTERMITTANT
2ND SHUT-IN 30 MINUTES NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1707.00	99.97	Initial Hydro-static
1	79.55	100.04	Open To Flow (1)
32	85.08	101.50	Shut-In(1)
61	772.61	102.62	End Shut-In(1)
62	86.66	102.41	Open To Flow (2)
91	91.05	103.75	Shut-In(2)
123	746.39	104.64	End Shut-In(2)
124	1673.48	104.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SLIGHTLY OIL CUT MUD 3 OIL 97 MUD	0.49
0.00	THERE WAS A REAL GOOD SHOW OF	0.00
0.00	FREE OIL BETWEEN THE TOOLS	0.00

Gas Rates

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



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Total Depth: 3415.00 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: 747.61 psia @ 3409.78 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.02.25

End Date: 2017.02.25

Last Calib.: 2017.02.25

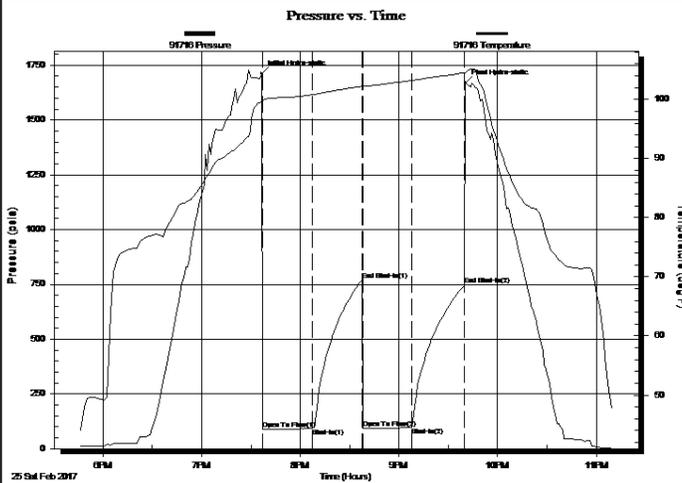
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2ND SHUT-IN 30 MINUTES NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1710.90	99.71	Initial Hydro-static
1	90.61	99.82	Open To Flow (1)
31	91.87	100.81	Shut-In(1)
61	770.47	102.26	End Shut-In(1)
62	95.46	102.27	Open To Flow (2)
92	98.67	103.20	Shut-In(2)
124	747.61	104.49	End Shut-In(2)
124	1667.58	104.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
35.00	SLIGHTLY OIL CUT MUD 3 OIL 97 MUD	0.49
0.00	THERE WAS A REAL GOOD SHOW OF	0.00
0.00	FREE OIL BETWEEN THE TOOLS	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

PAULEY GATY dba PAULEY OIL

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314 5th STREET
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OLIVIA 1

Job Ticket: 01153

DST#: 1

ATTN:

Test Start: 2017.02.25 @ 15:54:00

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: 54000.00 lb
			<u>Total Volume: 46.71 bbl</u>	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:	95.78 ft			
Tool Length:	115.78 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	5.00			3324.00	
Change Over Sub	0.75			3324.75	
Drill Pipe	63.28			3388.03	
Change Over Sub	0.75			3388.78	
Anchor	21.00			3409.78	
Recorder	0.00	9139	Inside	3409.78	
Recorder	0.00	91716	Outside	3409.78	
Bullnose	5.00			3414.78	95.78 Anchor Tool

Total Tool Length: 115.78



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FLUID SUMMARY

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OLIVIA 1

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DST#: 1

ATTN:

Test Start: 2017.02.25 @ 15:54:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
35.00	SLIGHTLY OIL CUT MUD 3 OIL 97 MUD	0.491
0.00	THERE WAS A REAL GOOD SHOW OF	0.000
0.00	FREE OIL BETWEEN THE TOOLS	0.000

Total Length: 35.00 ft Total Volume: 0.491 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

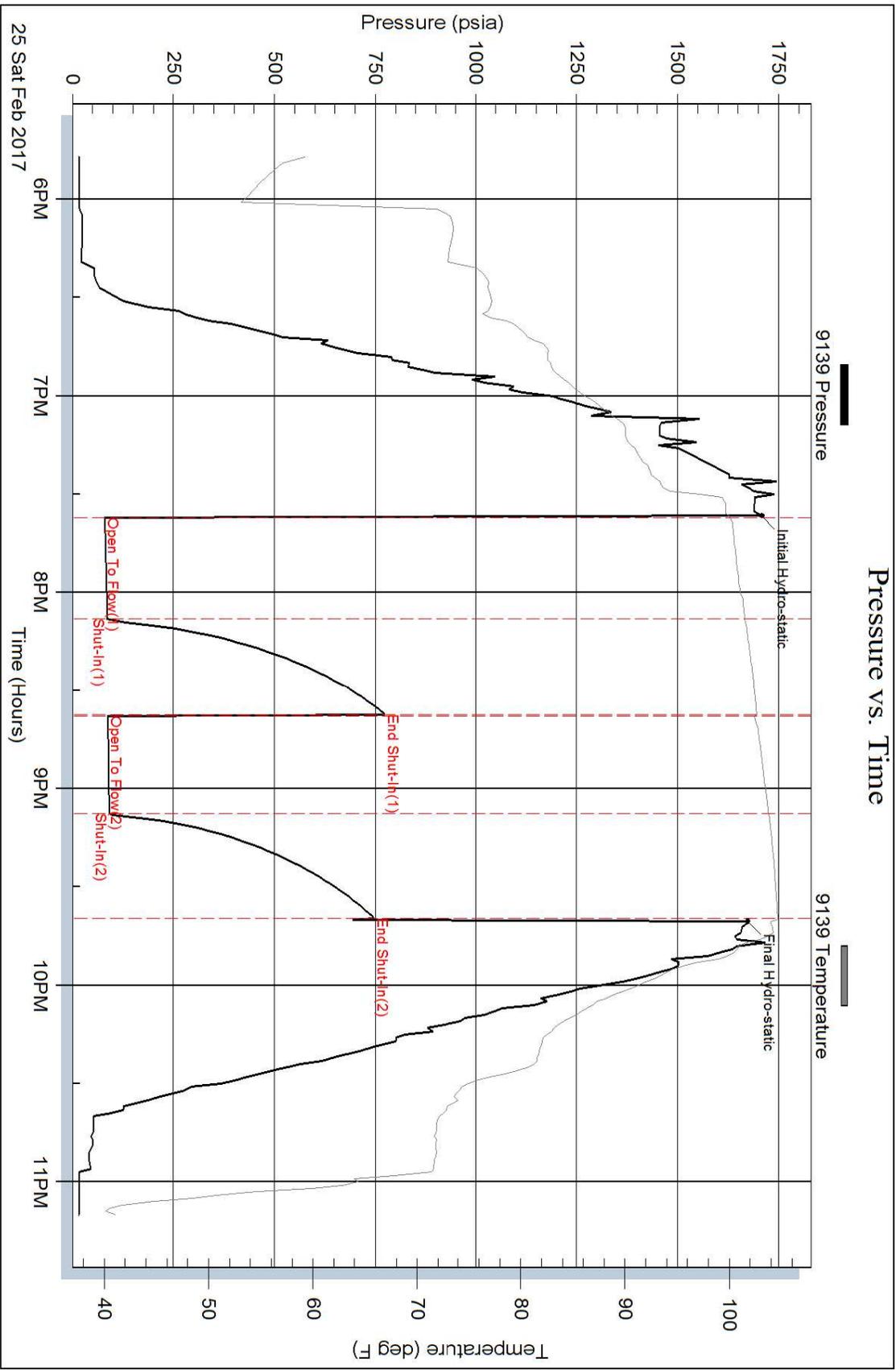
Serial #: 9139

Inside PAULEY GATY dba PAULEY OIL

OLVIA 1

DST Test Number: 1

Pressure vs. Time



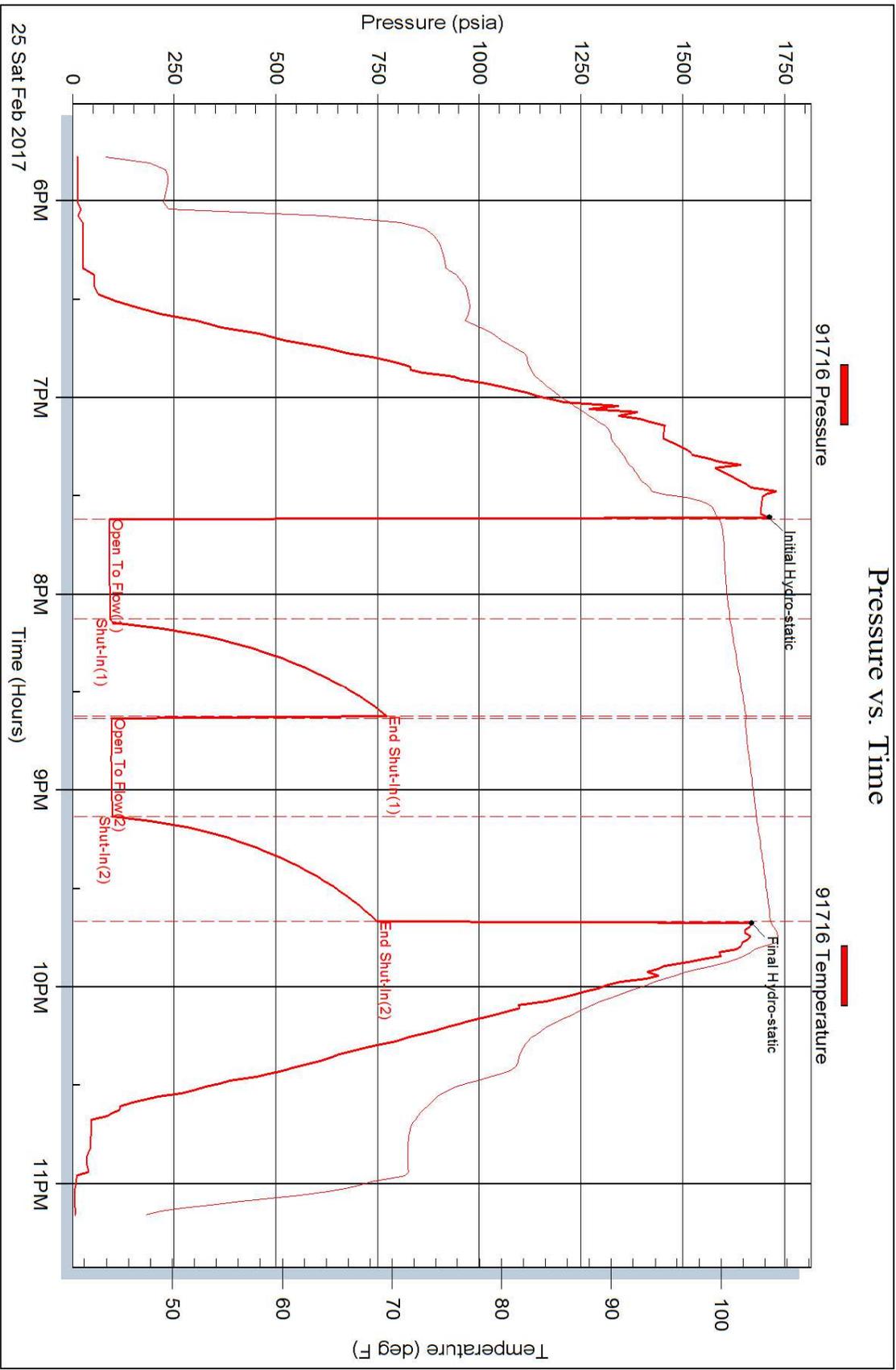
Serial #: 91716

Outside PAULEY GATY dba PAULEY OIL

OLVIA 1

DST Test Number: 1

Pressure vs. Time



Eagle Testers

Ref. No: 01153

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