



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 @ 03:31:00

End Date: 2017.02.26 @ 00:00:00

Job Ticket #: 01154 DST #: 2

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

Printed: 2017.02.26 @ 09:29:35

PAULEY GATYdba PAULEY OIL 16=15S-10W ELLSWORTH OLIVIA 1 DST # 2 ARBUCKLE 2017.02.26



DRILL STEM TEST REPORT

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OLIVIA 1

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DST#: 2

ATTN: JIM MUSGROVE

Test Start: 2017.02.26 @ 03:31:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1

Interval: **3319.00 ft (KB) To 3421.00 ft (KB) (TVD)**

Reference Elevations: 1875.00 ft (KB)

Total Depth: 3421.00 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: 839.07 psia @ 3416.76 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.02.26

End Date: 2017.02.26

Last Calib.: 2017.02.26

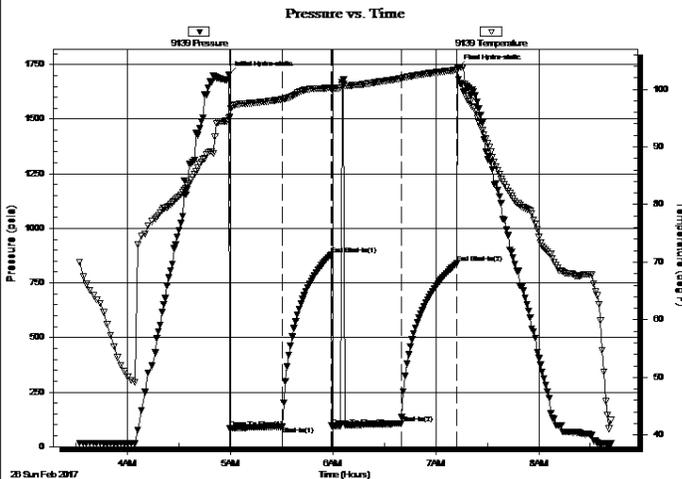
Start Time: 03:32:00

End Time: 08:42:00

Time On Btm: 2017.02.26 @ 04:59:00

Time Off Btm: 2017.02.26 @ 07:12:30

TEST COMMENT: 1ST OPENING 30 MINUTES WEAK SURFACE BLOW FOR 12 MINUTES AND DIED
1ST SHUT-IN 30 MINUTES NO BLOW BACK
2ND OPENING 40 MINUTES NO BLOW-FLUSHED TOOL-GOOD SURGE-NO HELP
2ND SHUT-IN 30 MINUTES NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1702.39	94.96	Initial Hydro-static
1	85.02	95.12	Open To Flow (1)
32	91.88	98.23	Shut-In(1)
60	879.18	100.29	End Shut-In(1)
60	95.63	99.87	Open To Flow (2)
101	106.46	101.88	Shut-In(2)
134	839.07	103.33	End Shut-In(2)
134	1735.83	103.64	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CLEAN OIL ON TOP	0.01
65.00	SLIGHTLY OIL CUT MUD 7 OIL 93 MUD	0.91
0.00	THERE WAS A REAL GOOD SHOW OF	0.00
0.00	CLEAN OIL BETWEEN THE TOOLS	0.00

Gas Rates

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



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Tester: GENE BUDIG

Unit No: 1

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Reference Elevations: 1875.00 ft (KB)

Total Depth: 3421.00 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: 834.57 psia @ 3416.76 ft (KB)

Capacity: 5000.00 psia

Start Date: 2017.02.26

End Date: 2017.02.26

Last Calib.: 2017.02.26

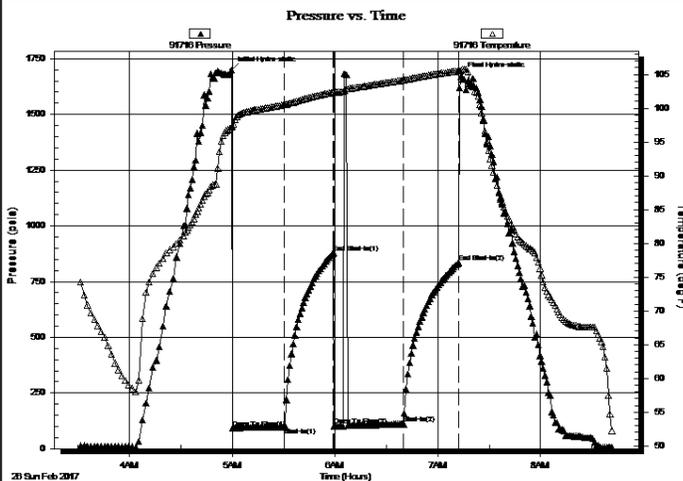
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2ND OPENING 40 MINUTES NO BLOW-FLUSHED TOOL-GOOD SURGE-NO HELP
2ND SHUT-IN 30 MINUTES NO BLOW BACK



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1700.04	97.13	Initial Hydro-static
1	93.82	97.27	Open To Flow (1)
31	97.81	100.51	Shut-In(1)
60	878.33	102.38	End Shut-In(1)
60	102.73	102.42	Open To Flow (2)
101	111.06	104.16	Shut-In(2)
133	834.57	105.52	End Shut-In(2)
134	1672.15	105.66	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	CLEAN OIL ON TOP	0.01
65.00	SLIGHTLY OIL CUT MUD 7 OIL 93 MUD	0.91
0.00	THERE WAS A REAL GOOD SHOW OF	0.00
0.00	CLEAN 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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DST#: 2

ATTN: JIM MUSGROVE

Test Start: 2017.02.26 @ 03:31:00

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: 64000.00 lb
			<u>Total Volume: 46.71 bbl</u>	Tool Chased 8.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 32.00 lb
Depth to Top Packer:	3319.00 ft			Final 32.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	102.76 ft			
Tool Length:	122.76 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	62.26			3387.01	
Change Over Sub	0.75			3387.76	
Anchor	29.00			3416.76	
Recorder	0.00	9139	Inside	3416.76	
Recorder	0.00	91716	Outside	3416.76	
Bullnose	5.00			3421.76	102.76 Anchor Tool

Total Tool Length: 122.76



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FLUID SUMMARY

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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: 7.99 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
1.00	CLEAN OIL ON TOP	0.014
65.00	SLIGHTLY OIL CUT MUD 7 OIL 93 MUD	0.912
0.00	THERE WAS A REAL GOOD SHOW OF	0.000
0.00	CLEAN OIL BETWEEN THE TOOLS	0.000

Total Length: 66.00 ft Total Volume: 0.926 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 9139

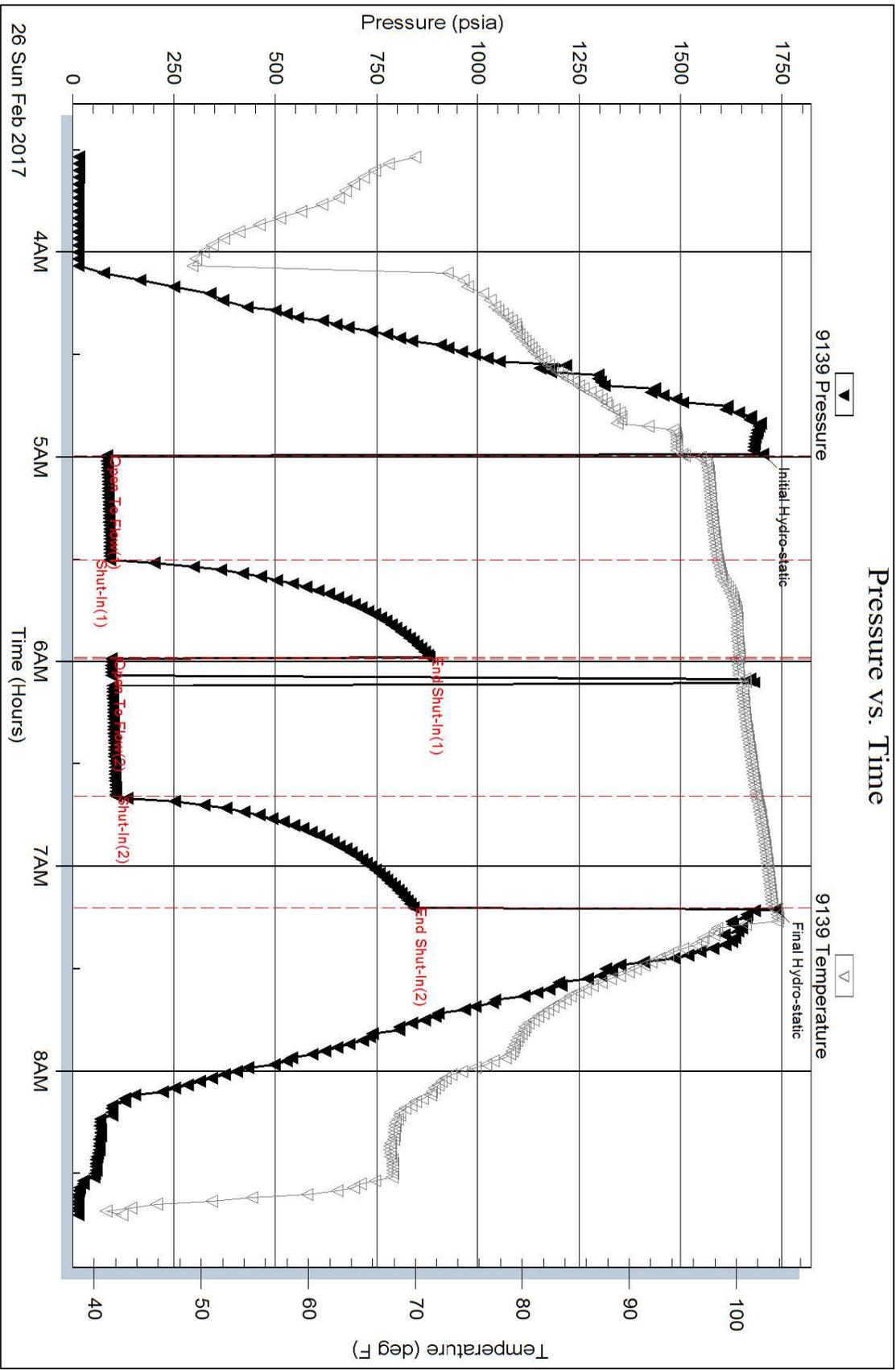
Inside

PAULEY GATY dba PAULEY OIL

OLMVA 1

DST Test Number: 2

Pressure vs. Time



Serial #: 91716

Outside PAULEY GATY dba PAULEY OIL

OLIVA 1

DST Test Number: 2

Pressure vs. Time

