



DRILL STEM TEST REPORT

Prepared For: **Younger Energy Company**

9415 E. Harry Ste 403 bldg400
Wichita ,Kansas 67207

ATTN: keith Reavis

Jarbo "A" # @

25-26s-14w Pratt

Start Date: 2019.04.27 @ 22:00:00

End Date: 2019.04.27 @ 00:00:00

Job Ticket #: 01359 DST #: 2

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

Printed: 2019.04.27 @ 03:09:09



DRILL STEM TEST REPORT

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Jarbo "A" # @

Job Ticket: 01359

DST#:2

ATTN: keith Reavis

Test Start: 2019.04.27 @ 22:00:00

GENERAL INFORMATION:

Formation: **kansas City :H:**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:47:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: 32972.0 ft (KB) To 3990.00 ft (KB) (TVD)

Reference Elevations: 1979.00 ft (KB)

Total Depth: 3990.00 ft (KB) (TVD)

1967.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 9139

Press@RunDepth: 73.12 psig @ ft (KB)

Capacity: psig

Start Date: 2019.04.26

End Date: 2019.04.27

Last Calib.: 1899.12.30

Start Time: 22:00:00

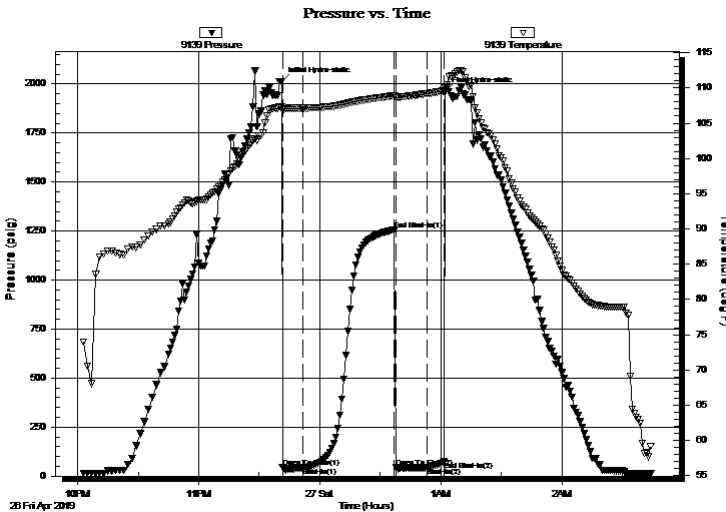
End Time: 02:44:00

Time On Btm: 2019.04.26 @ 23:40:59

Time Off Btm: 2019.04.27 @ 01:02:00

TEST COMMENT: 1st opening 10 Minutes w eak bl;ow
1st Shut-In 45 Minutes
2nd Opening 16 Minutes w eak blow for 12 Minutes and died
2nd Shut-In 10 Minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2013.97	107.39	Initial Hydro-static
1	45.05	106.86	Open To Flow (1)
11	42.69	107.13	Shut-In(1)
57	1256.84	108.91	End Shut-In(1)
58	44.15	108.67	Open To Flow (2)
73	43.68	109.18	Shut-In(2)
81	73.12	109.55	End Shut-In(2)
82	1959.24	110.06	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud	0.21

Gas Rates

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



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Reference Elevations: 1979.00 ft (KB)

Total Depth: 3990.00 ft (KB) (TVD)

1967.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 9119

Press@RunDepth: 1260.70 psig @ ft (KB)

Capacity: psig

Start Date: 2019.04.26

End Date: 2019.04.27

Last Calib.: 1899.12.30

Start Time: 22:00:00

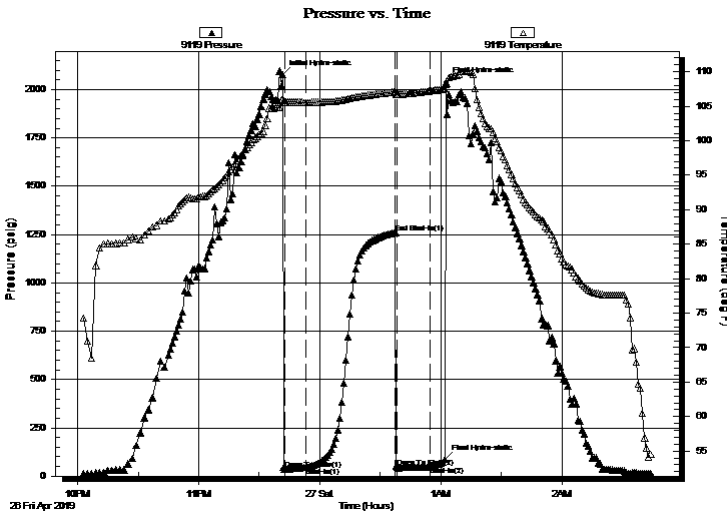
End Time: 02:44:00

Time On Btm: 2019.04.26 @ 23:41:30

Time Off Btm: 2019.04.27 @ 01:02:00

TEST COMMENT: 1st opening 10 Minutes weak bl;ow
1st Shut-In 45 Minutes
2nd Opening 16 Minutes weak blow for 12 Minutes and died
2nd Shut-In 10 Minutes

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2079.22	106.02	Initial Hydro-static
1	36.39	105.61	Open To Flow (1)
12	44.39	105.57	Shut-In(1)
56	1260.70	107.10	End Shut-In(1)
57	46.18	106.76	Open To Flow (2)
73	49.88	107.22	Shut-In(2)
81	86.31	107.52	Final Hydro-static
81	2039.05	108.12	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drilling mud	0.21

Gas Rates

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



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TOOL DIAGRAM

Younger Energy Company
 9415 E. Harry Ste 403 bldg400
 Wichita ,Kansas 67207
 ATTN: keith Reavis

25-26s-14w Pratt
Jarbo "A" # @
 Job Ticket: 01359 **DST#:2**
 Test Start: 2019.04.27 @ 22:00:00

Tool Information

Drill Pipe:	Length: 3970.00 ft	Diameter: 3.80 inches	Volume: 55.69 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:	90000.00 lb
			<u>Total Volume: 55.69 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3972.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	18.00 ft				
Tool Length:	48.00 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			3947.00	
Hydraulic tool	5.00			3952.00	
Jars	5.00			3957.00	
Safety Joint	5.00			3962.00	
Packer	5.00			3967.00	30.00 Bottom Of Top Packer
Packer	5.00		Fluid	3972.00	
Anchor	13.00			3985.00	
Recorder	0.00	9119	Inside	3985.00	
Recorder	0.00	9139	Outside	3985.00	
Bullnose	5.00			3990.00	18.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



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FLUID SUMMARY

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DST#:2

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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: 68.00 sec/qt

Cushion Volume: bbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Drilling mud	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

