



Eagle Testers L.L.C.

1309 Patton
Great Bend, Kansas 67530
(620)791-7394

Company YELLOW DOG ENERGY LLC
 Address 212 NORTH CONCORD STREET MINNEAPOLIS KANSAS 67467
 Lease & # BAUGHMAN #28-1 Sec. 28 Twp 7 Rng 19
 Date 5-16-2018 County ROOKS Elevation 1931 G.L. 1936 K.B.
 Drilling Contractor ROYAL DRILLING RIG #1
 Drill Pipe Length _____ I.D. of Drill Pipe 3.80 Tool Joint Size 4 1/2" X-H
 Drill Collar Length NONE I.D. of Drill Collars NONE Tool Joint Size NONE
 Mud Weight 8.8 Viscosity 47 Filtrate 7.2 Chlorides-Pits 2500 DST _____
 Top Packer Depth 3239 Bottom Packer Depth 3244 Number of Packers 2
 Tested From 3244 to 3316 Total Depth 3316 Anchor Length 72
 Test # 2 Formation Tested KANSAS CITY "HTI" Hole Size 7 7/8
 Initial Blow WEAK SURFACE BLOW FOR 13 MINUTES & DIED

Blow back on the 1st Shut-in _____
 Final Blow NO BLOW-FLUSHED TOOL- GOOD SURGE- NO HELP
 Blow back on the 2nd Shut-in _____

Initial Hydrostatic 1642 P.S.I. Final Hydrostatic 1572 P.S.I. Maximum Temp. 103 F

Initial Opening	<u>60</u> P.S.I. to <u>62</u> P.S.I.	from	<u>3:43A</u> m to <u>4:12A</u> m	<u>30</u> minutes
Initial Shut-in	<u>341</u> P.S.I.	from	<u>4:13A</u> m to <u>4:43A</u> m	<u>30</u> minutes
Final Opening	<u>63</u> P.S.I. to <u>65</u> P.S.I.	from	<u>4:43A</u> m to <u>4:58A</u> m	<u>15</u> minutes
Final Shut-in	<u>NONE TAKEN</u> P.S.I.	from	<u>NONE</u> m to <u>TAKEN</u> m	<u>0</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>10</u>	<u>Drilling Mud</u>				

Total Feet Recovered _____
 Gravity of oil _____ Corrected Recovery Chlorides _____ Rw. _____ ohms @ _____ Degrees
 Gas to Surface in _____ minutes Max. Gas Gauged _____ MCF/day Was a gas sample taken _____
 Comments _____

Time on Location _____ Tool Opened _____ Tool Pulled _____ Time Out _____
 Extra Equipment-Jars _____ Safety Joint _____ Circulating Sub _____ Straddle _____
 Inside Recorder No. 9119 Depth 3314.2 Extra Packer (3rd) _____ Hook Wall _____
 Outside Recorder No. 9139 Depth 3313 Extra Packer (4th) _____ Sampler _____
 Tool Operator Dene Budig Approved By _____

Ticket No 01120



DRILL STEM TEST REPORT

Prepared For: **Yellow Dog gy LLC**

212 North Concord Street
Minneapolis , Kansas 67427

ATTN: Jerry Green

Baughman #28-1

28-7-s-019w Rooks

Start Date: 2018.05.16 @ 02:35:00

End Date: 2018.05.16 @ 06:22:00

Job Ticket #: 01120 DST #: 2

Eagle Testers

1309 Patton Road Great Bend, Kansas 67530

620-791-7394

Yellow Dog gy LLC

28-7-s-019w Rooks

Baughman #28-1

DST # 2

Kansas City, MO

2018.05.16

Printed: 2018.05.16 @ 06:41:38



DRILL STEM TEST REPORT

Yellow Dog gy LLC
 212 North Concord Street
 Minneapolis, Kansas 67427
 ATTN: Jerry Green

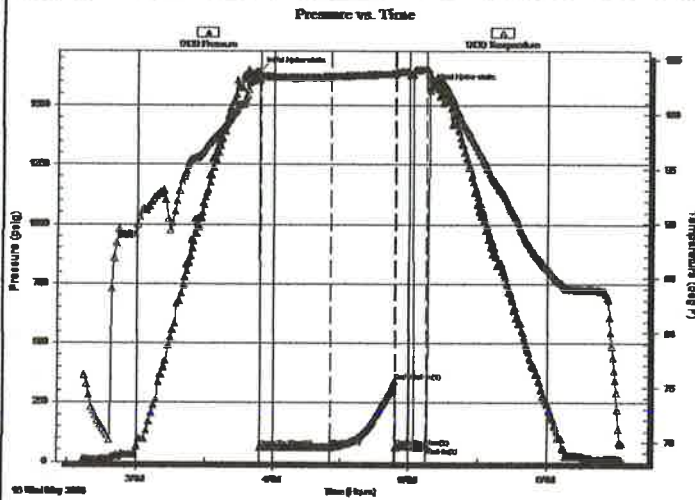
28-7-s-019w Rooks
Baughman #28-1
 Job Ticket: 01120 DST#: 2
 Test Start: 2018.05.16 @ 02:35:00

GENERAL INFORMATION:

Formation: **Kansas City/H-I"**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **03:43:00**
 Time Test Ended: **06:22:00**
 Interval: **3244.00 ft (KB) To 3316.00 ft (KB) (TVD)**
 Total Depth: **3316.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole (Initial)**
 Tester: **Gene Budig**
 Unit No: **1**
 Reference Elevations: **1836.00 ft (KB)**
1831.00 ft (CF)
 KB to GR/CF: **5.00 ft**

Serial #: 9139 **Outside**
 Press@RunDepth: **341.76 psig @ 3311.33 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2018.05.16** End Date: **2018.05.16** Last Calib.: **2018.05.16**
 Start Time: **02:35:00** End Time: **06:33:00** Time On Btm: **2018.05.16 @ 03:53:30**
 Time Off Btm: **2018.05.16 @ 05:08:30**

TEST COMMENT: 1st Opening 30 Minutes weak surface blow for 13 minutes and died
 1st Shut-in 30 Minutes no blow back
 2nd Opening 15 Minutes no blow flushed tool good surge no help came out of the hole
 2nd Shut-in none taken



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1642.23	103.20	Initial Hydro-static
1	60.47	103.58	Open To Flow (1)
32	62.61	103.48	Shut-In(1)
60	341.76	103.73	End Shut-In(1)
61	63.16	103.83	Open To Flow (2)
74	65.17	104.14	Shut-In(2)
75	1572.08	103.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drilling Mud	0.14

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Yellow Dog gy LLC
 212 North Concord Street
 Minneapolis , Kansas 67427
 ATTN: Jerry Green

28-7-s-019w Rooks
 Baughman #28-1
 Job Ticket: 01120 DST#: 2
 Test Start: 2018.05.16 @ 02:35:00

Tool Information

Drill Pipe:	Length: 3227.00 ft	Diameter: 3.80 inches	Volume: 45.27 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: 45.27 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3244.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.33 ft			
Tool Length:	92.33 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			3229.00	
Hydraulic tool	5.00			3234.00	
Packer	5.00			3239.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	3244.00	
Anchor	5.00			3249.00	
Change Over Sub	0.75			3249.75	
Drill Pipe	31.83			3281.58	
Change Over Sub	0.75		Inside	3282.33	
Anchor	29.00			3311.33	
Recorder	0.00	9119	Inside	3311.33	
Recorder	0.00	9139	Outside	3311.33	
Bullnose	5.00			3316.33	72.33 Bottom Packers & Anchor

Total Tool Length: 92.33



DRILL STEM TEST REPORT

FLUID SUMMARY

Yellow Dog gy LLC
 212 North Concord Street
 Minneapolis , Kansas 67427
 ATTN: Jerry Green

28-7-s-019w Rooks
Baughman #28-1
 Job Ticket: 01120 **DST#: 2**
 Test Start: 2018.05.16 @ 02:35:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length:	Water Salinity:	ppm
Viscosity: 47.00 sec/qt			
Water Loss: 7.20 in ³	Cushion Volume:		
Resistivity: ohm.m	Gas Cushion Type:		
Salinity: 2500.00 ppm	Gas Cushion Pressure:		
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

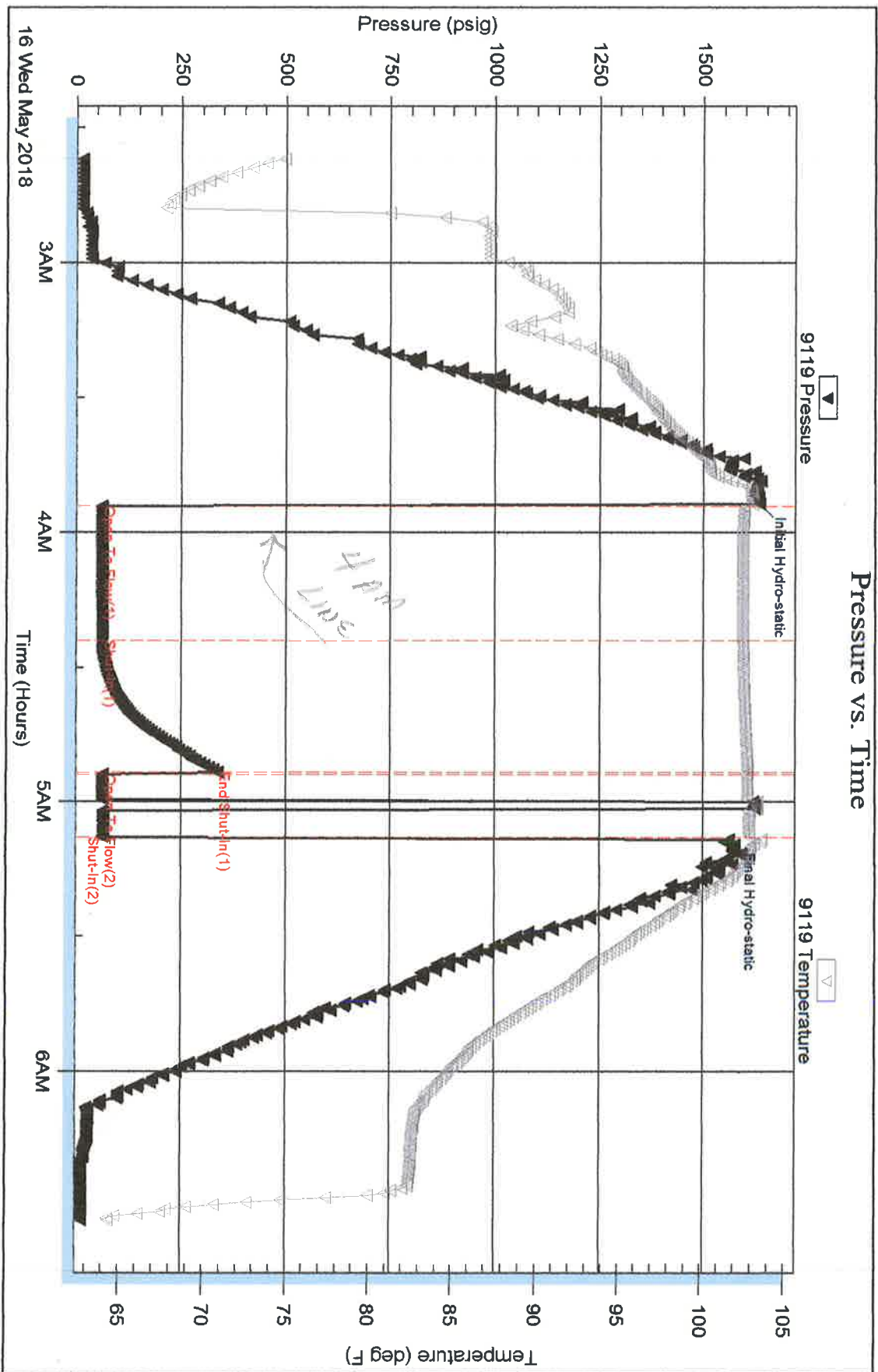
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Inside

Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 2



Eagle Testers

Ref. No: 01120

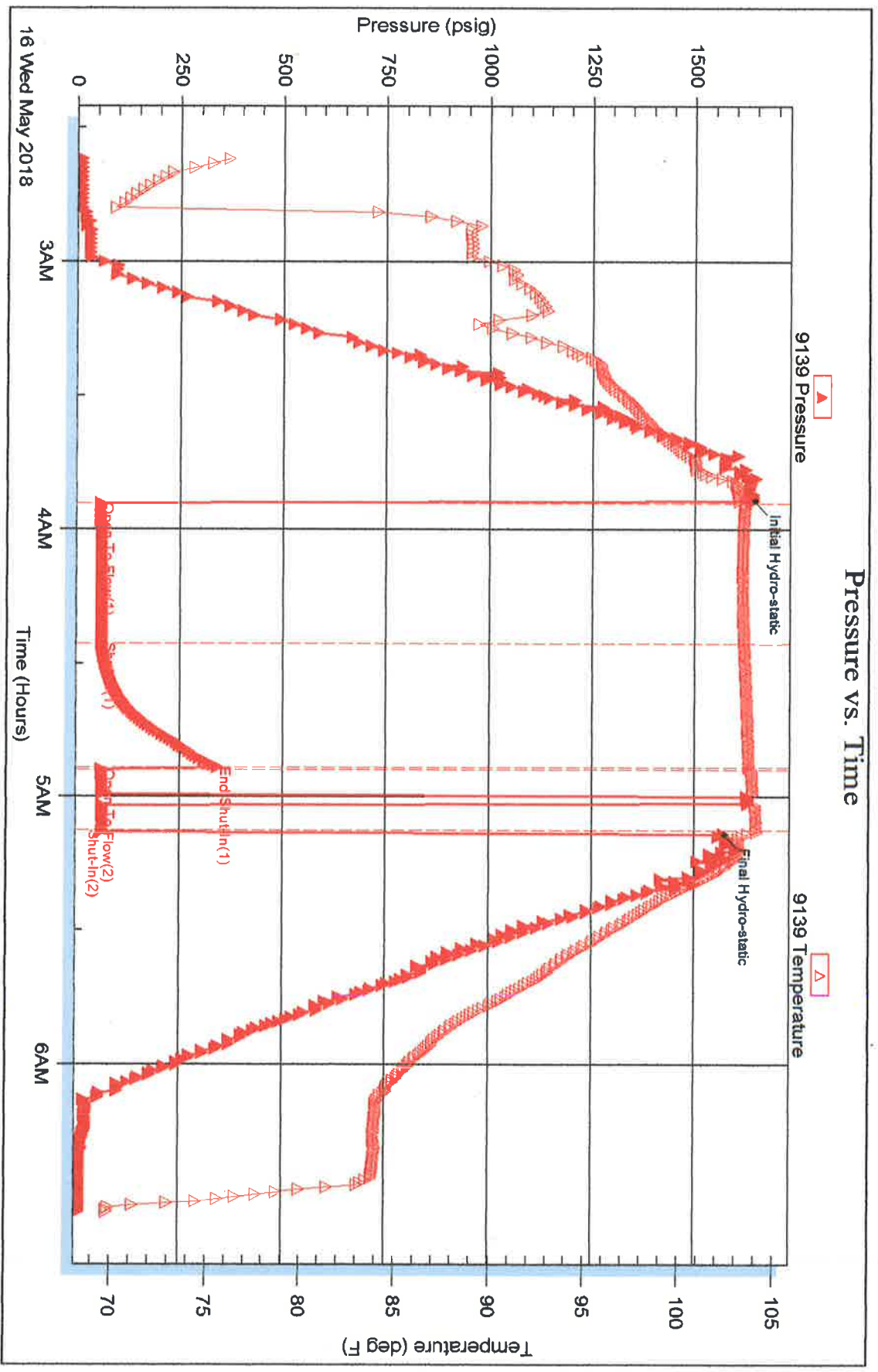
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Serial #: 9139

Outside Yellow Dog gy LLC

Baughman #28-1

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