

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

New Well Re-Entry Workover

Oil WSW SWD

Gas DH EOR

OG GSW

CM (Coal Bed Methane)

Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

Deepening Re-perf. Conv. to EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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JERRY GREEN

CONSULTING GEOLOGIST

4350 Keystone Rd
 HAYS, KS 67601
 PHONE: 785-625-5155

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY YELLOW DOG DRILLING LLC

ELEVATIONS

LEASE BAUGHMAN 28-1

KB 1933'

FIELD RESERVOIR

DF _____

LOCATION 1150'FWL 1450'FSL

GL 1927'

SEC 28 TWSP 7S RGE 19W

COUNTY ROOKS STATE KS

Measurements Are All
 From KB

CONTRACTOR ROYAL DRILG

CASING
 SURFACE @ 263'

SPUD 5-9-18 COMP 5-18-18

PRODUCTION 5.5 @ 3486

RTD 3490 LTD 3491

MUD UP 2700' TYPE MUD CHEM.

ELECTRICAL SURVEYS
 dil/nd Micro Sonic

SAMPLES SAVED FROM 2700' TO TD

DRILLING TIME KEPT FROM 2700' TO TD

SAMPLES EXAMINED FROM 2700' TO TD

GEOLOGICAL SUPERVISION FROM 2700' TO TD

GEOLOGIST ON WELL 5-14 thru 5-17

FORMATION TOPS LOG SAMPLES

ANHY. 1395-1435 5381375-1415 558

TOPEKA 2886-952 2885 952

HEEBNER 3111-1178 3089 1156

TORONTO 3128-1195 3128-1195

L-KC 3340-1407 3342-1409

BKG. _____

ADDRESS _____

REMARKS

All parties involved recommended that pipe be set to test this well further

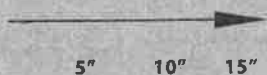
Respectfully submitted

LEGEND



DRILLING TIME IN MINUTES PER FOOT

Rate of Penetration Decreases



DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
2700'				
2750'				
2800'				
		has pebbles - to Arg. Foss in pt however		

2850'

Gray shale

TOPEKA 2885-952

lms off wh - tw
Ft barren

2900'

-- "

2950'

lms wh off wh
chalty - fm Ft
barren foss
in pt

-- "

Black Sh inc
3000' sample

3000'

lms off wh - tw
fm barren

-- "

Black Sh inc

3050'

lms wh tw chalty
Ft barren

RECORDED 2000 1100

2100 sample

3100'

Varied Sh

TORONTO 3112-1170

has cream colored
Ft barren Fm

KC 3128-1195

has wh. offsh Foss
Ft Fm barren

3150'

has offsh to + N Fx
VM- m FO + st
Fm inter + Foss
Por

3200'

has cherty offsh
Ft VM FO + st
Fm inter + Por Fm?

has offsh Ft m-
Adeg FO st + Lt
odor inter Foss +
Por
has wh chalty
barren

3250'

Black Sh
Green shale, 100
70

has wh Ft yr
FO + st
inter + Por

3300'

has offsh Foss Ft
m- Adeg FO st +
odor inter Foss
+ X Por

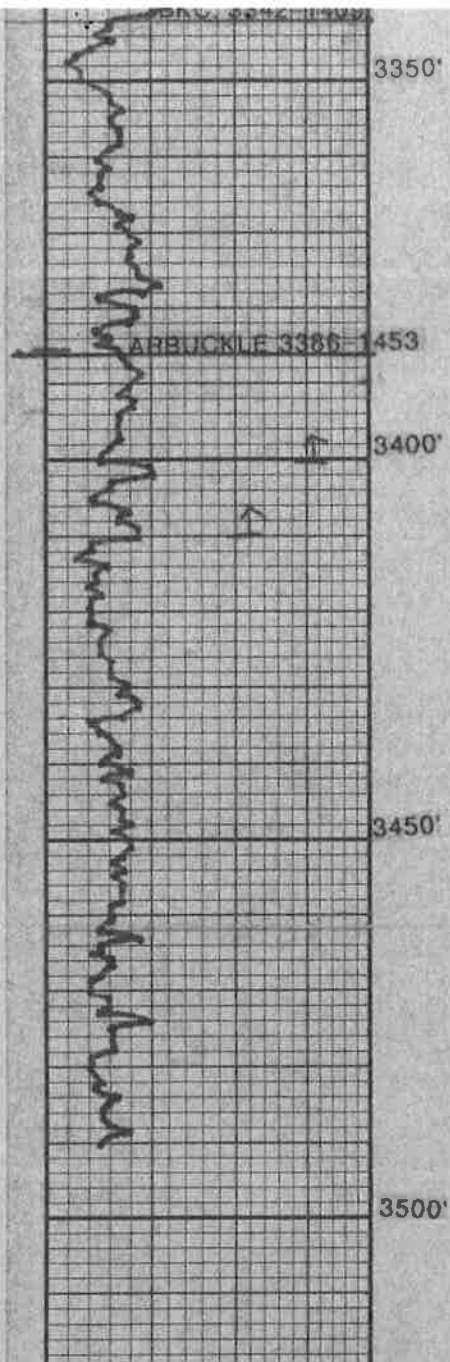
has calc d
Foss Por m- Adeg
FO st + odor

has Fm cherty VM
FO + st
has offsh Fm Ft
barren

DST #1 "EF"
3194-3210
No blow.
30-30-1
Rec 10' mu
FP 37-40
SIP: 585

DST #2
3244-3310
72' "HI"
Blow Dried
30-30-1
FP: 60-62
SIP 341#
Rec: 10' m

DST #3
3328-3400
Blow: weak
30-30-1



3350'	Varied sh
	2 in. cherty fl + w Dolomite - weathered
ARBUCKLE 3386 - 3453	Dol off wh. to gray tr Fo + St weathered
3400'	Dol m - Fx m - Adeq. Fo st + odor
	inter t for Dol F - mx cherty, with sand inclusions and glauc. inclusions Adeq Fo st + odor
	Dol Fx - mx deal st inter t for Dol off wh to Lt orange F - mx cherty barren
3450'	Dol off wh, orange and greenish F. Cl with sand and glauc inclusions barren
3500'	

Rec. 10' 0
 SIP: 130
 FP: 61-64

DST #4
 3386 - 3453
 82
 Ar

Blow' Wee
 45-45-45
 Rec 90'

ISIP: 791
 FSIP: 713
 FP: 69-90



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 5-15-2018 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 8.9 Viscosity 47 Filtrate 7.7 Chlorides-Pits 2500 DST _____
 Top Packer Depth 3189 Bottom Packer Depth 3194 Number of Packers 2
 Tested From 3194 to 3219 Total Depth 3219 Anchor Length 25
 Test # 1 Formation Tested KANSAS CITY "D" Hole Size 7 7/8
 Initial Blow WEAK SURFACE BLOW FOR 12 MINUTES & DIED

Blow back on the 1st Shut-in NO
 Final Blow NO BLOW FLUSHED TOOL GOOD SURGE NO HELP
 Blow back on the 2nd Shut-in _____
 Initial Hydrostatic 1576 P.S.I. Final Hydrostatic 1564 P.S.I. Maximum Temp. 103 F

Initial Opening	<u>37</u> P.S.I. to <u>40</u> P.S.I.	from	<u>1:11</u> p m to <u>1:11</u> p m	<u>30</u> minutes
Initial Shut-in	<u>585</u> P.S.I.	from	<u>1:41</u> p m to <u>1:41</u> p m	<u>30</u> minutes
Final Opening	<u>40</u> P.S.I. to <u>41</u> P.S.I.	from	<u>2:11</u> p m to <u>2:26</u> p 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 3215 Extra Packer (3rd) _____ Hook Wall _____
 Outside Recorder No. 9139 Depth 3216 Extra Packer (4th) _____ Sampler _____
 Tool Operator Dave Badig Approved By [Signature]
 Ticket No 01119



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: 2018.05.15 @ 11:41:00

End Date: 2018.05.15 @ 03:36:00

Job Ticket #: 01119 DST #: 1

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

Printed: 2018.05.15 @ 16:06:01

Yellow Dog gy LLC 28-7-s-019w Rooks Baughman #28-1 DST # 1 Kansas City "D" 2018.05.15



DRILL STEM TEST REPORT

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

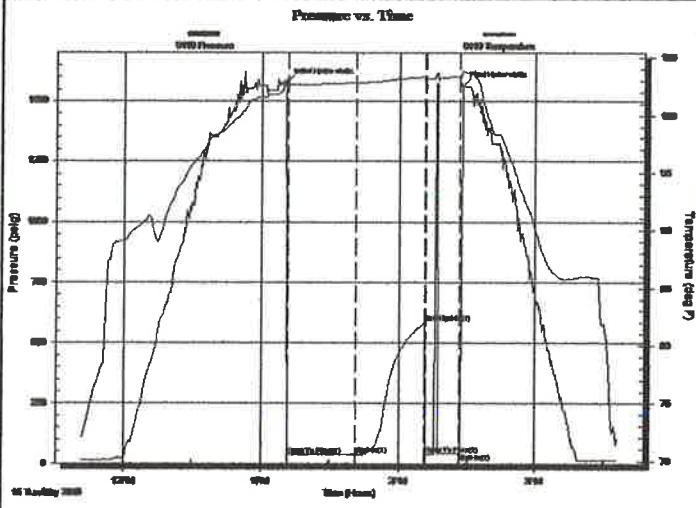
28-7-019w Rooks
Baughman #28-1
 Job Ticket: 01119 **DST#: 1**
 Test Start: 2018.05.15 @ 11:41:00

GENERAL INFORMATION:

Formation: **Kansas City "D"**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 13:11:00
 Time Test Ended: 03:36:00
 Interval: **3194.00 ft (KB) To 3219.00 ft (KB) (TVD)**
 Total Depth: **3219.00 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 #: 9119 Inside
 Press@RunDepth: **585.17 psig @ 3214.00 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2018.05.15** End Date: **2018.05.15** Last Calib.: **2018.05.15**
 Start Time: **11:41:00** End Time: **15:36:00** Time On Btmr: **2018.05.15 @ 13:11:00**
 15:36:00 Time Off Btmr: **2018.05.15 @ 14:27:30**

TEST COMMENT: 1st Opening 30 Minutes weak blow for 12 minutes and died
 1st Shut-in 30 Minutes no blow back
 2nd Opening 15 Minutes no blow flushed tool good sure no help
 2nd shut-in none taken



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1576.59	103.05	Initial Hydro-static
1	37.23	102.63	Open To Flow (1)
30	40.08	102.83	Shut-in(1)
60	585.17	103.33	End Shut-in(1)
61	40.81	103.20	Open To Flow (2)
76	41.80	103.33	Shut-in(2)
77	1564.39	103.86	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

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

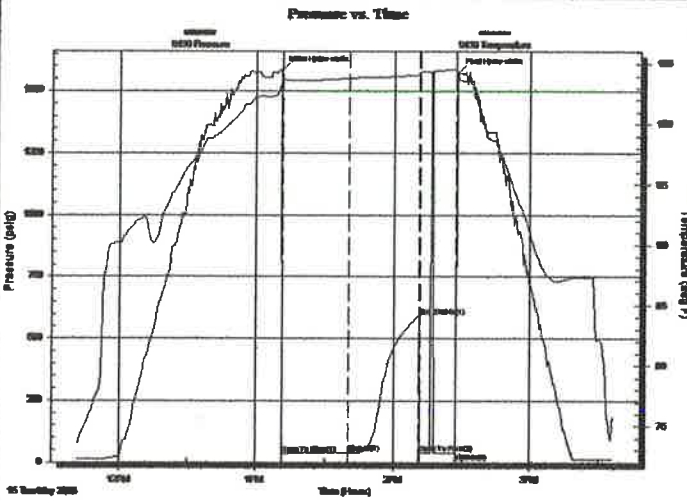
28-7-e-019w Rooks
Baughman #28-1
 Job Ticket: 01119 **DST#: 1**
 Test Start: 2018.05.15 @ 11:41:00

GENERAL INFORMATION:

Formation: **Kansas City "D"**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 13:11:00
 Time Test Ended: 03:36:00
 Interval: **3194.00 ft (KB) To 3219.00 ft (KB) (TVD)**
 Total Depth: **3219.00 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: **592.71 psig @ 3214.00 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2018.05.15** End Date: **2018.05.15** Last Calib.: **2018.05.15**
 Start Time: **11:42:00** End Time: **15:36:30** Time On Btm: **2018.05.15 @ 13:11:00**
 15:36:30 Time Off Btm: **2018.05.15 @ 14:28:00**

TEST COMMENT: 1st Opening 30 Minutes weak blow for 12 minutes and died
 1st Shut-in 30 Minutes no blow back
 2nd Opening 15 Minutes no blow flushed tool good sure no help
 2nd shut-in none taken



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1583.72	103.29	Initial Hydro-static
1	34.64	103.69	Open To Flow (1)
29	37.78	103.80	Shut-in(1)
60	592.71	104.08	End Shut-in(1)
61	38.67	104.27	Open To Flow (2)
76	39.55	104.53	Shut-in(2)
77	1573.92	103.80	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: 01119 DST#: 1
 Test Start: 2018.05.15 @ 11:41:00

Tool Information

Drill Pipe:	Length: 3198.00 ft	Diameter: 3.80 inches	Volume: 44.86 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: 44.86 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 51000.00 lb
Depth to Top Packer:	3194.00 ft			Final 51000.00 lb
Depth to Bottom Packer:	ft			
Interval betw een Packers:	25.00 ft			
Tool Length:	45.00 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			3179.00	
Hydraulic tool	5.00			3184.00	
Packer	5.00			3189.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	3194.00	
Anchor	20.00			3214.00	
Recorder	0.00	9119	Inside	3214.00	
Recorder	0.00	9139	Outside	3214.00	
Bullnose	5.00			3219.00	25.00 Bottom Packers & Anchor

Total Tool Length: 45.00



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: 01119 DST#: 1
 Test Start: 2018.05.15 @ 11:41:00

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drilling Mud	0.140

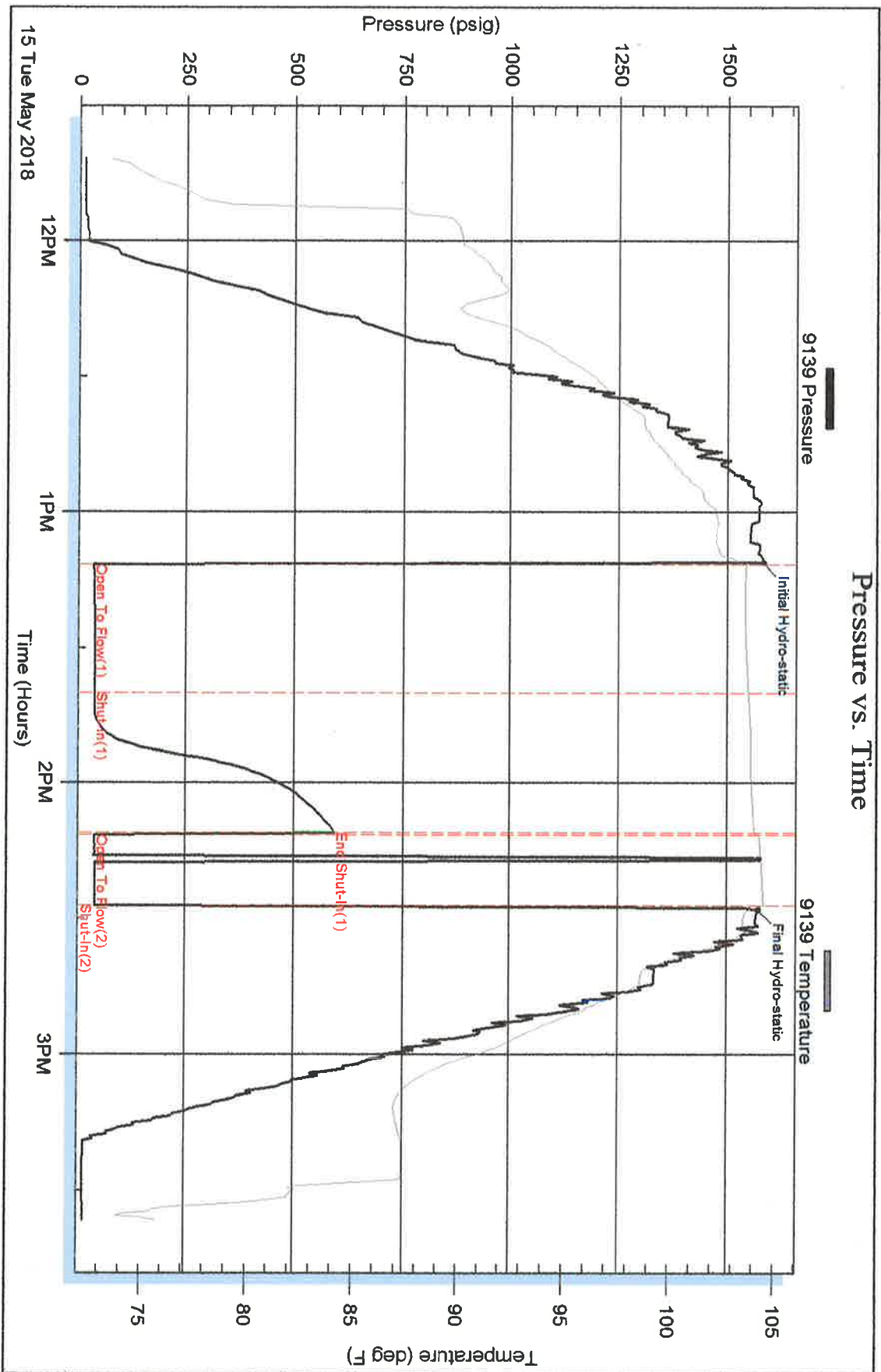
Total Length: 10.00 ft Total Volume: 0.140 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 9139

Outside Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 1



Eagle Testers

Ref. No: 01119

Printed: 2018.05.15 @ 16:06:02

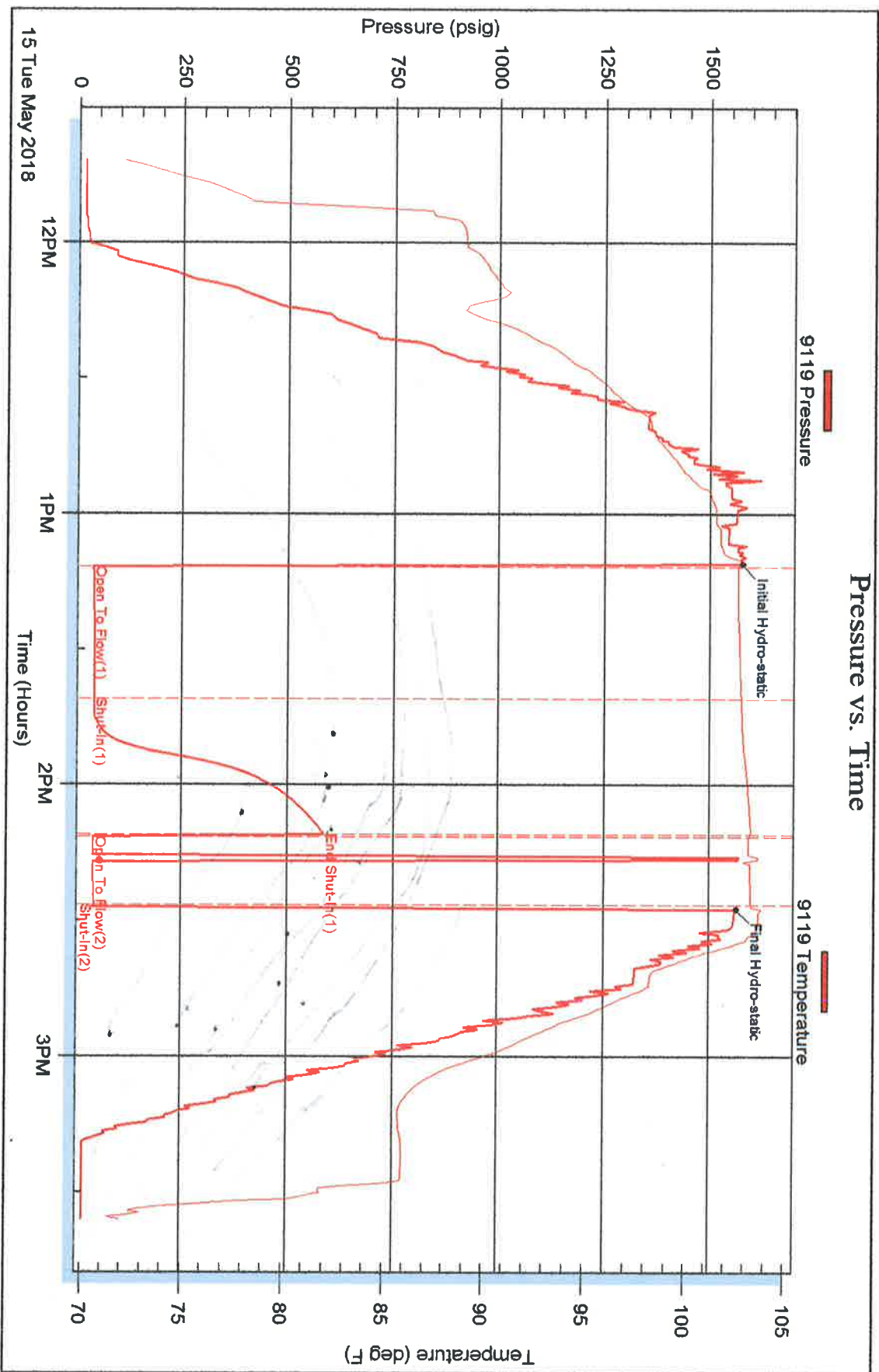
Serial #: 9119

Inside

Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 1



Eagle Testers

Ref. No: 01119

Printed: 2018.05.15 @ 16:06:03



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

Printed: 2018.05.16 @ 06:41:38

Yellow Dog gy LLC
28-7-s-019w Rooks
Baughman #28-1
DST # 2
Kansas City, MO
2018.05.16



DRILL STEM TEST REPORT

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

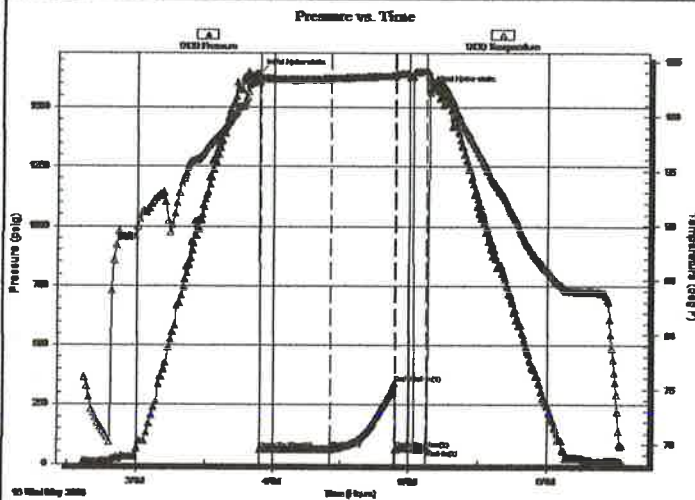
28-7-s-019w Rooks
Baughman #28-1
 Job Ticket: 01120 DST#: 2
 Test Start: 2018.05.16 @ 02:35:00

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:

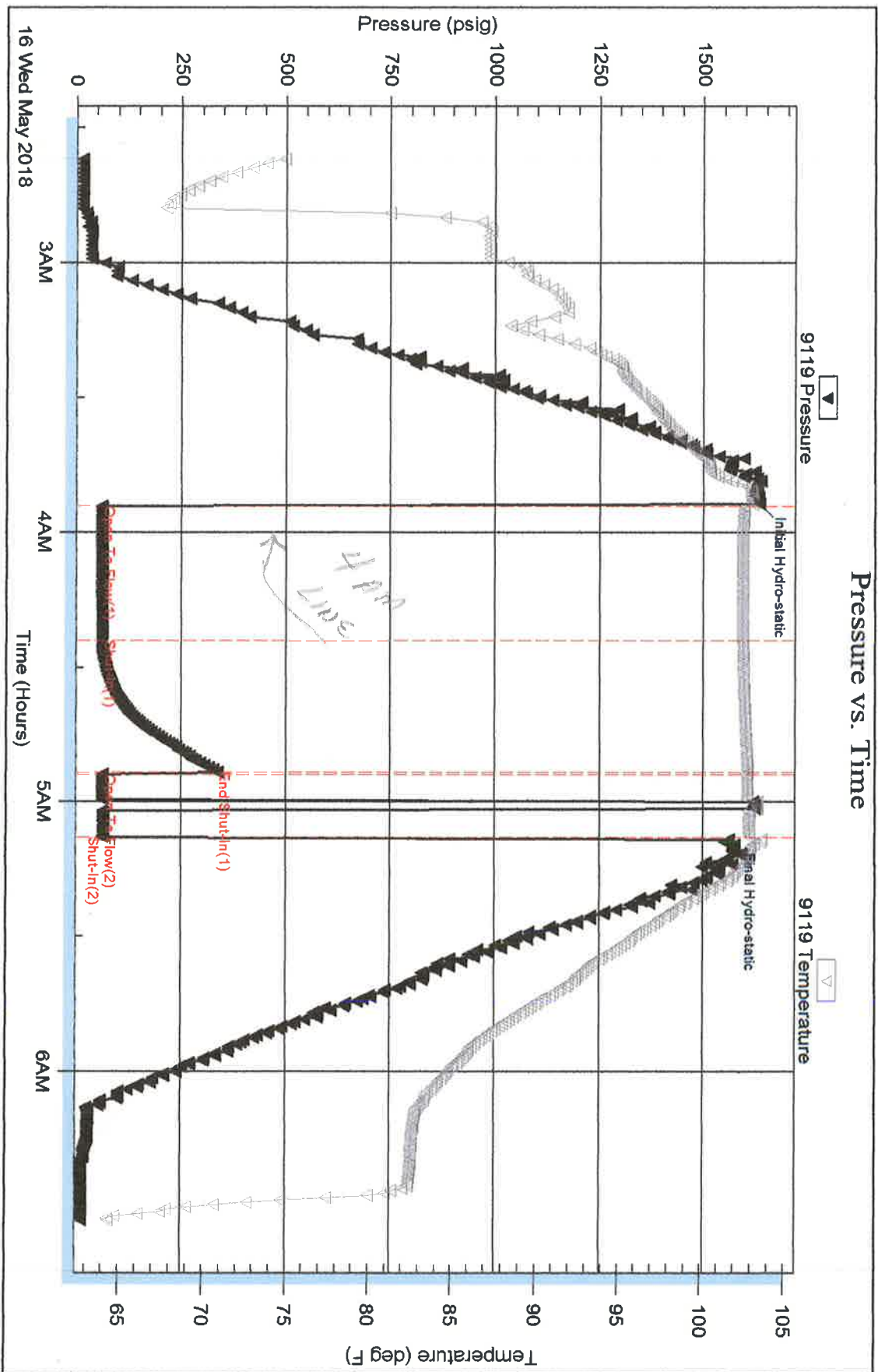
Serial #: 9119

Inside

Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 2



Eagle Testers

Ref. No: 01120

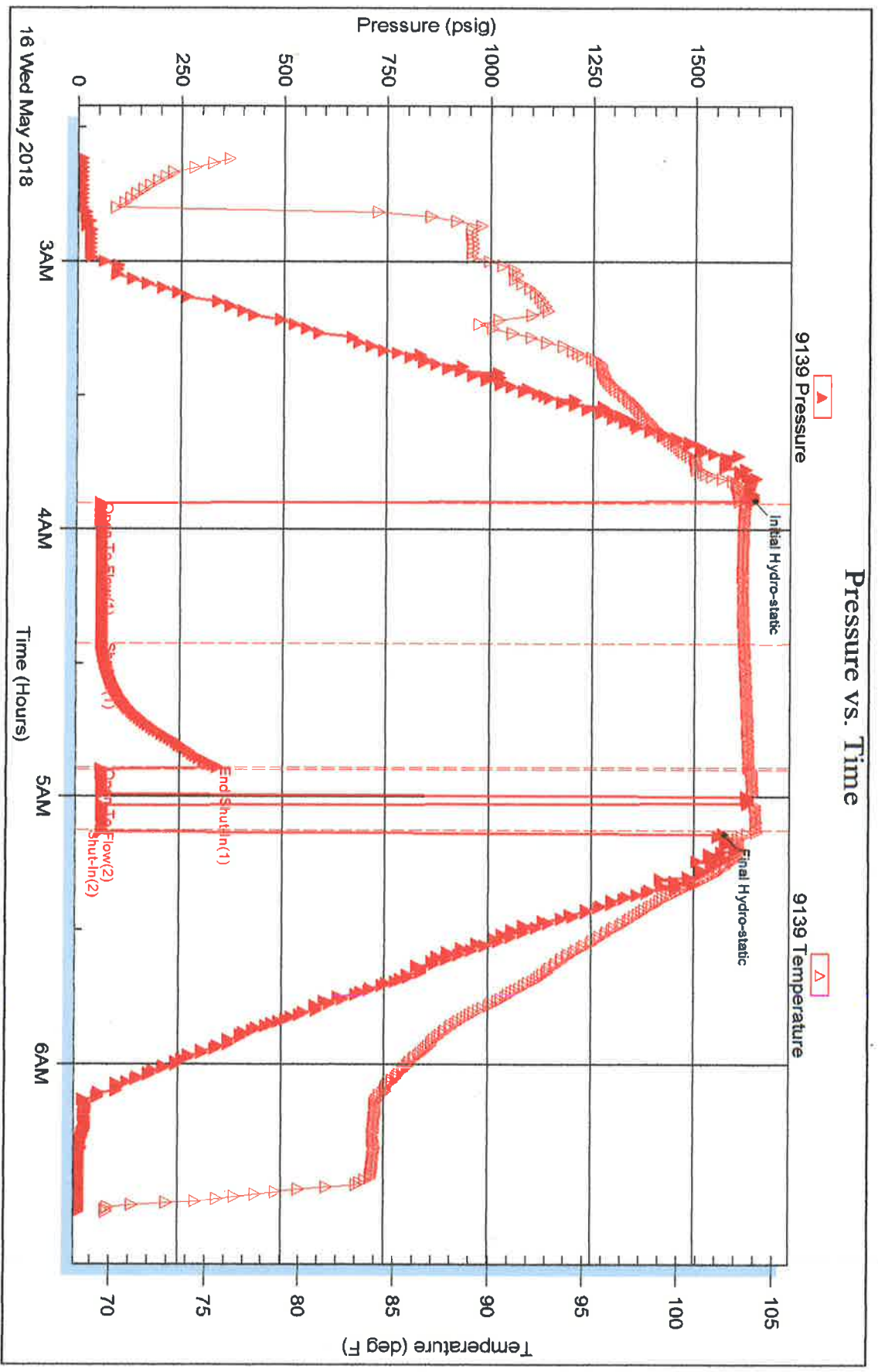
Printed: 2018.05.16 @ 06:41:40

Serial #: 9139

Outside Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 2



Eagle Testers

Ref. No: 01120

Printed: 2018.05.16 @ 06:41:40



Eagle Testers L.L.C.

1309 Paton
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^s Rng 19^w
 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 2.25
 Drill Collar Length NONE I.D. of Drill Collars NONE Tool Joint Size NONE
 Mud Weight 8 9/16 Viscosity 45 Filtrate 7.4 Chlorides-Pits 2500 DST _____
 Top Packer Depth 3323 Bottom Packer Depth 3328 Number of Packers 2
 Tested From 3328 to 3400 Total Depth 3400 Anchor Length 72
 Test # 3 Formation Tested ARBuckle Hole Size 7 7/8
 Initial Blow WEAK blow for 12 minutes & DIED

Blow back on the 1st Shut-in _____
 Final Blow no blow - flushed tool - good surge - no help - came out of the hole

Blow back on the 2nd Shut-in _____
 Initial Hydrostatic 1716 P.S.I. Final Hydrostatic _____ P.S.I. Maximum Temp. _____ F

Initial Opening	<u>61</u> P.S.I. to <u>64</u> P.S.I.	from	<u>6:46 P m</u> to <u>7:16 P m</u>	<u>30</u> minutes
Initial Shut-in	<u>130</u> P.S.I.	from	<u>7:16 P m</u> to <u>7:46 P m</u>	<u>30</u> minutes
Final Opening	<u>63</u> P.S.I. to <u>67</u> P.S.I.	from	<u>7:46 P m</u> to <u>7:56 P m</u>	<u>10</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>oil cut mud</u>		<u>10</u>	<u>90</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 3396 Extra Packer (3rd) _____ Hook Wall _____
 Outside Recorder No. 9139 Depth 3397 Extra Packer (4th) _____ Sampler _____
 Tool Operator Alan Budig Approved By _____

Ticket No 01121



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

Printed: 2018.05.16 @ 06:43:23

Yellow Dog gy LLC
28-7-s-019w Rooks
Baughman #28-1
DST # 2
Kansas City/H-I-
2018.05.16



DRILL STEM TEST REPORT

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

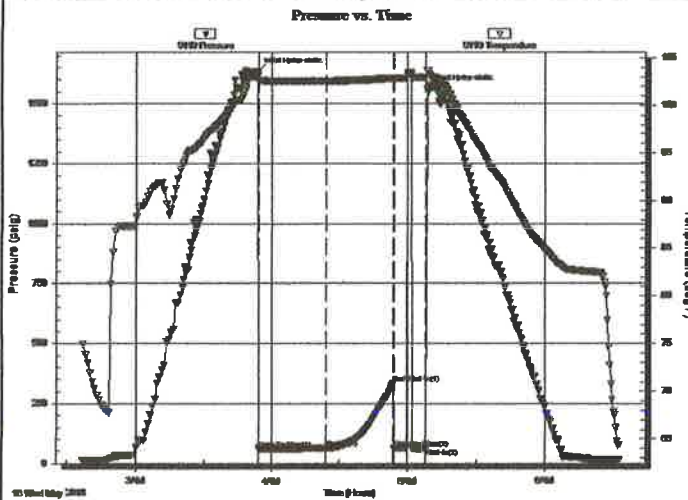
28-7-s-019w Rooks
Baughman #28-1
 Job Ticket: 01120 DST#: 2
 Test Start: 2018.05.16 @ 02:35:00

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 #: 9119 **Inside**
 Press@RunDepth: 334.87 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 fluyshed tool good surge no help came out of the hole
 2nd Shuty-in none taken



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1632.59	103.12	Initial Hydro-static
1	61.51	102.67	Open To Flow (1)
31	62.96	102.56	Shut-in(1)
60	334.87	102.88	End Shut-in(1)
61	63.69	102.78	Open To Flow (2)
75	64.27	102.97	Shut-in(2)
75	1561.24	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

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

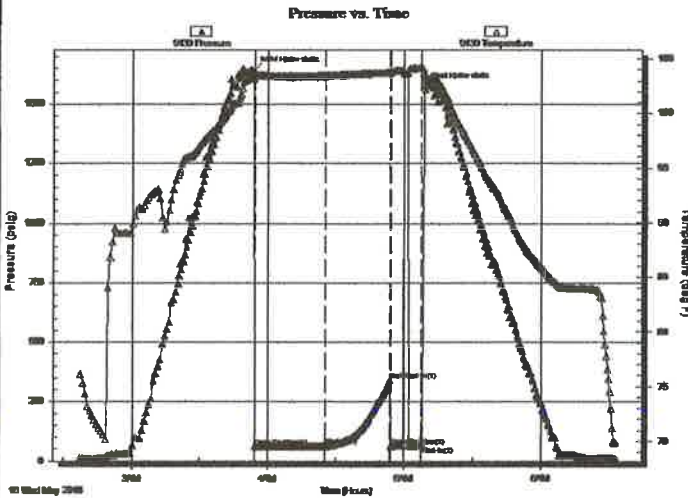
28-7-s-019w Rooks
Baughman #28-1
 Job Ticket: 01120 **DST#: 2**
 Test Start: 2018.05.16 @ 02:35:00

GENERAL INFORMATION:

Formation: **Kansas City(H-I)**
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **03:43:00** Tester: **Gene Budig**
 Time Test Ended: **06:22:00** Unit No: **1**
 Interval: **3244.00 ft (KB) To 3316.00 ft (KB) (TVD)** Reference Elevations: **1836.00 ft (KB)**
 Total Depth: **3316.00 ft (KB) (TVD)** **1831.00 ft (CF)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** 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 fluyshed tool good surge no help came out of the hole
 2nd Shutty-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: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.20 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
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:

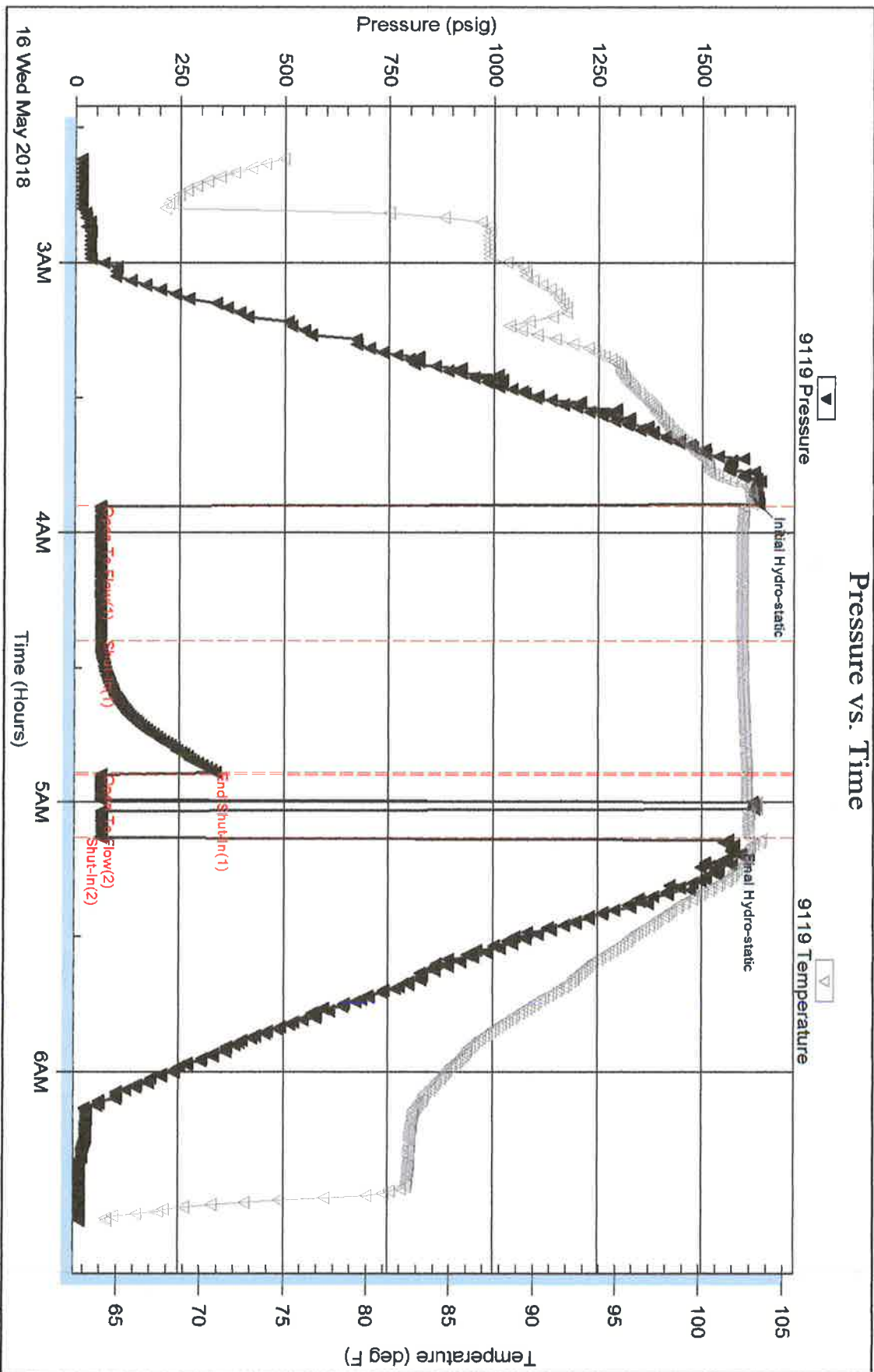
Serial #: 9119

Inside

Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 2



Eagle Testers

Ref. No: 01120

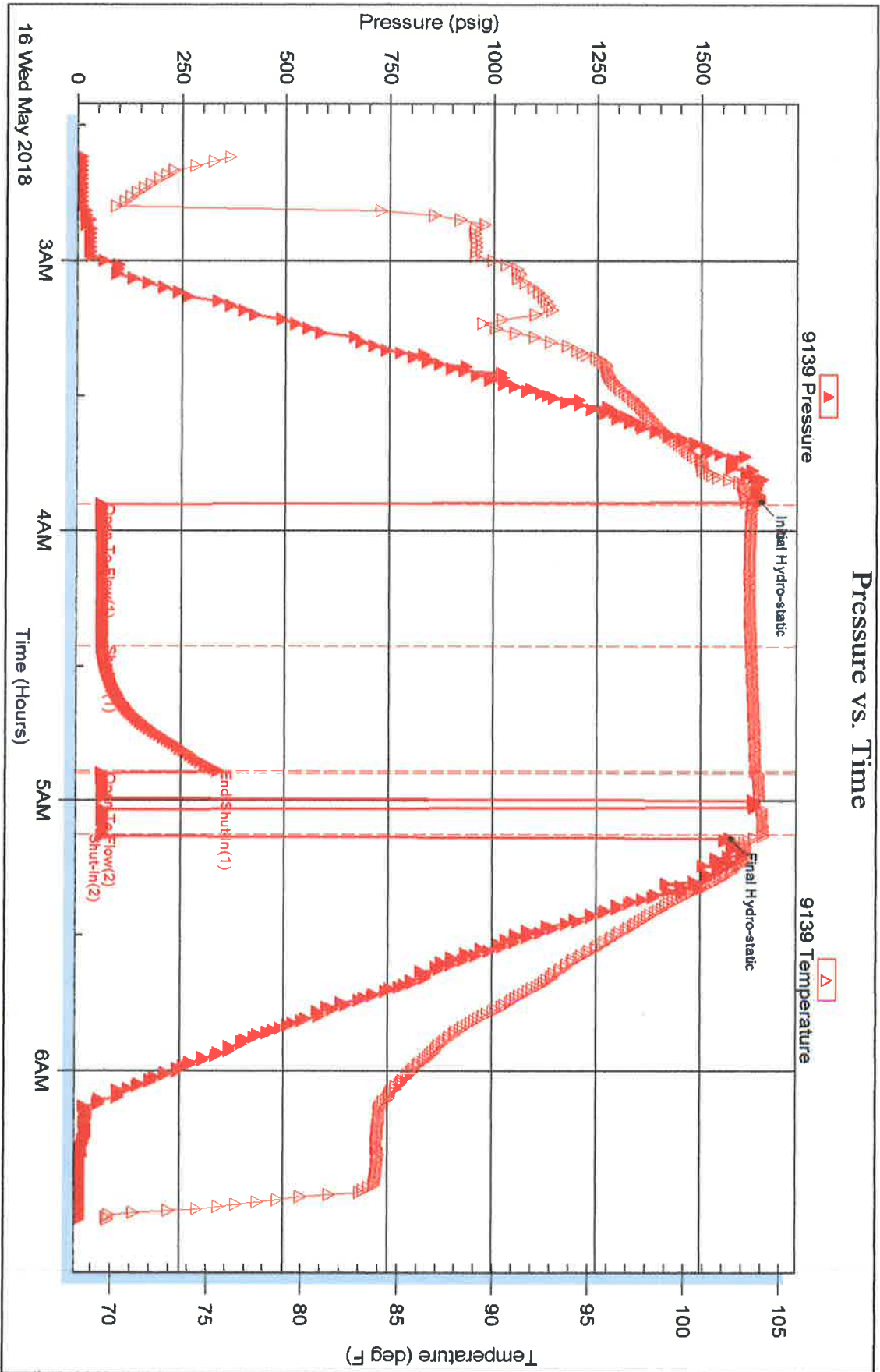
Printed: 2018.05.16 @ 06:43:25

Serial #: 9139

Outside Yellow Dog gy LLC

Baughman #28-1

DST Test Number: 2



Eagle Testers

Ref. No.: 01120

Printed: 2018.05.16 @ 06:43:25



Eagle Testers L.L.C.

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

Company Yellow Dog Energy LLC
 Address 212 North East Concord Street Minneapolis Kansas 67467
 Lease & # BAUGHMAN #28-1 Sec. 28 Twp 7S Rng 19W
 Date 5-17-2018 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 8.9 Viscosity 45 Filtrate 7.4 Chlorides-Pits 2500 DST _____
 Top Packer Depth 3321 Bottom Packer Depth 3326 Number of Packers 2
 Tested From 3326 to 3410 Total Depth 3410 Anchor Length 84
 Test # 4 Formation Tested Arbuckle Hole Size 7 7/8
 Initial Blow WEAK building Blow built to 7 inches into the water

Blow back on the 1st Shut-in _____
 Final Blow WEAK building blow built to 3 inches into the water
 Blow back on the 2nd Shut-in _____

Initial Hydrostatic 1715 P.S.I. Final Hydrostatic 1629 P.S.I. Maximum Temp. 109 F

Initial Opening	<u>69</u> P.S.I. to <u>90</u> P.S.I.	from	<u>3:53</u> A m to <u>4:38</u> A m	<u>45</u> minutes
Initial Shut-in	<u>790</u> P.S.I.	from	<u>4:38</u> A m to <u>5:23</u> A m	<u>45</u> minutes
Final Opening	<u>96</u> P.S.I. to <u>106</u> P.S.I.	from	<u>5:23</u> A m to <u>6:08</u> A m	<u>45</u> minutes
Final Shut-in	<u>713</u> P.S.I.	from	<u>6:08</u> A m to <u>6:53</u> A m	<u>45</u> minutes

Feet	Recovery Description	% Gas	% Oil	% Mud	% Water
<u>10</u>	<u>CLEAN OIL</u>				
<u>20</u>	<u>Heavy oil cut mud very thick Heavy mud</u>		<u>50</u>	<u>50</u>	
<u>60</u>	<u>Oil cut very Heavy thick mud</u>		<u>30</u>	<u>70</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 3406 Extra Packer (3rd) _____ Hook Wall _____
 Outside Recorder No. 9139 Depth 3407 Extra Packer (4th) _____ Sampler _____
 Tool Operator Gene Budig Approved By _____

Ticket No 01122

829



DRILL STEM TEST REPORT

Prepared For: **Yellow Dog LLC**

212 North Concord Street
Minneapolis , Kansas 67427

ATTN: Jerry Green

Baughman #28-1

28-7-s-019w Rooks

Start Date: 2018.05.17 @ 02:45:00

End Date: 2018.05.17 @ 08:29:00

Job Ticket #: 01122 DST #: 4

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

Printed: 2018.05.17 @ 08:56:18

Yellow Dog LLC 28-7-s-019w Rooks Baughman #28-1 DST # 4 Arbuckle 2018.05.17



DRILL STEM TEST REPORT

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

28-7-a-019w Rooks
 Baughman #28-1
 Job Ticket: 01122 DST#: 4
 Test Start: 2018.05.17 @ 02:45:00

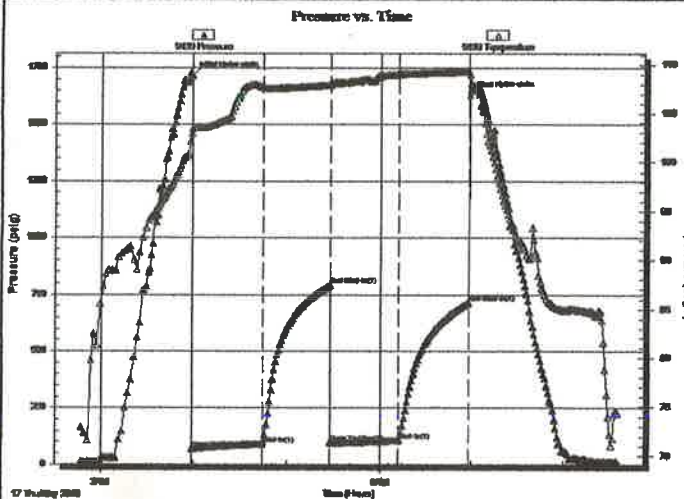
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **03:53:00**
 Time Test Ended: **08:29:00**
 Interval: **3326.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: **3410.00 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

Press@RunDepth: **713.76 psig @ ft (KB)** Capacity: **psig**
 Start Date: **2018.05.17** End Date: **2018.05.17** Last Calib.: **1899.12.30**
 Start Time: **02:45:00** End Time: **08:34:30** Time On Btm: **2018.05.17 @ 03:58:30**
 Time Off Btm: **2018.05.17 @ 06:58:30**

TEST COMMENT: 1st Opening 45 Minutes weak building blow built to 7 inches into the water
 1st Shuyt-In 45 Minutes no blow back
 2nd Opening 45 Minutes weak building blow built to 3 inches into the water
 2nd Shut-In 45 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1715.84	102.89	Initial Hydro-static
1	69.02	103.41	Open To Flow (1)
46	90.64	107.69	Shut-In(1)
89	790.46	107.92	End Shut-In(1)
90	96.34	108.16	Open To Flow (2)
134	106.99	109.02	Shut-In(2)
180	713.76	109.29	End Shut-In(2)
180	1629.95	109.01	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	heavy oil cut very thick heavy mud	0.28
0.00	50% Mud 50% Oil	0.00
60.00	Oil cut very thick heavy mud	0.84
0.00	30% Oil 70% Mud	0.00

Gas Rates

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



DRILL STEM TEST REPORT

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

28-7-s-019w Rooks
 Baughman #28-1
 Job Ticket: 01122 DST#: 4
 Test Start: 2018.05.17 @ 02:45:00

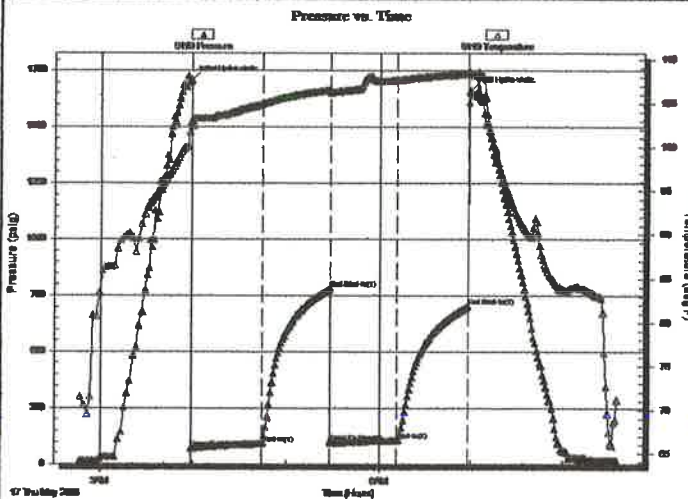
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: **No Whipstock:** ft (KB)
 Time Tool Opened: 03:53:00
 Time Test Ended: 08:29:00
 Interval: **3326.00 ft (KB) To 3410.00 ft (KB) (TVD)**
 Total Depth: **3410.00 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 #: 9119

Press@RunDepth: **702.95 psig @** ft (KB) Capacity: psig
 Start Date: **2018.05.17** End Date: **2018.05.17** Last Calib.: **1899.12.30**
 Start Time: **02:45:00** End Time: **08:34:30** Time On Btm: **2018.05.17 @ 03:58:30**
 Time Off Btm: **2018.05.17 @ 06:59:00**

TEST COMMENT: 1st Opening 45 Minutes weak building blow built to 7 inches into the water
 1st Shuyt-In 45 Minutes no blow back
 2nd Opening 45 Minutes weak building blow built to 3 inches into the water
 2nd Shut-In 45 Minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1707.74	102.94	Initial Hydro-static
1	70.03	102.46	Open To Flow (1)
46	90.30	104.92	Shut-In(1)
89	779.35	106.53	End Shut-In(1)
90	97.67	106.22	Open To Flow (2)
133	106.04	107.63	Shut-In(2)
180	702.95	108.34	End Shut-In(2)
181	1661.92	108.53	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	heavy oil cut very thick heavy mud	0.28
0.00	50% Mud 50% Oil	0.00
60.00	Oil cut very thick heavy mud	0.84
0.00	30% Oil 70% Mud	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

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

28-7-a-019w Rooks
 Baughman #28-1
 Job Ticket: 01122 DST#: 4
 Test Start: 2018.05.17 @ 02:45:00

Tool Information

Drill Pipe:	Length: 3320.00 ft	Diameter: 3.80 inches	Volume: 46.57 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: 200009.0 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 63000.00 lb
			<u>Total Volume: 46.57 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	3326.00 ft			Final 52000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.90 ft			
Tool Length:	103.90 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			3311.00	
Hydraulic tool	5.00			3316.00	
Packer	5.00			3321.00	20.00 Bottom Of Top Packer
Packer	5.00		Fluid	3326.00	
Anchor	0.00			3326.00	
Change Over Sub	0.75			3326.75	
Drill Pipe	63.40			3390.15	
Change Over Sub	0.75		Inside	3390.90	
Anchor	14.00			3404.90	
Recorder	0.00	9119	Inside	3404.90	
Recorder	0.00	9139	Outside	3404.90	
Bullnose	5.00			3409.90	83.90 Bottom Packers & Anchor

Total Tool Length: 103.90



DRILL STEM TEST REPORT

FLUID SUMMARY

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

28-7-s-019w Rooks
 Baughman #28-1
 Job Ticket: 01122 DST#: 4
 Test Start: 2018.05.17 @ 02:45:00

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.40 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	heavy oil cut very thick heavy mud	0.281
0.00	50% Mud 50% Oil	0.000
60.00	Oil cut very thick heavy mud	0.842
0.00	30% Oil 70% Mud	0.000

Total Length: 80.00 ft Total Volume: 1.263 bbl

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

Laboratory Name: Laboratory Location:

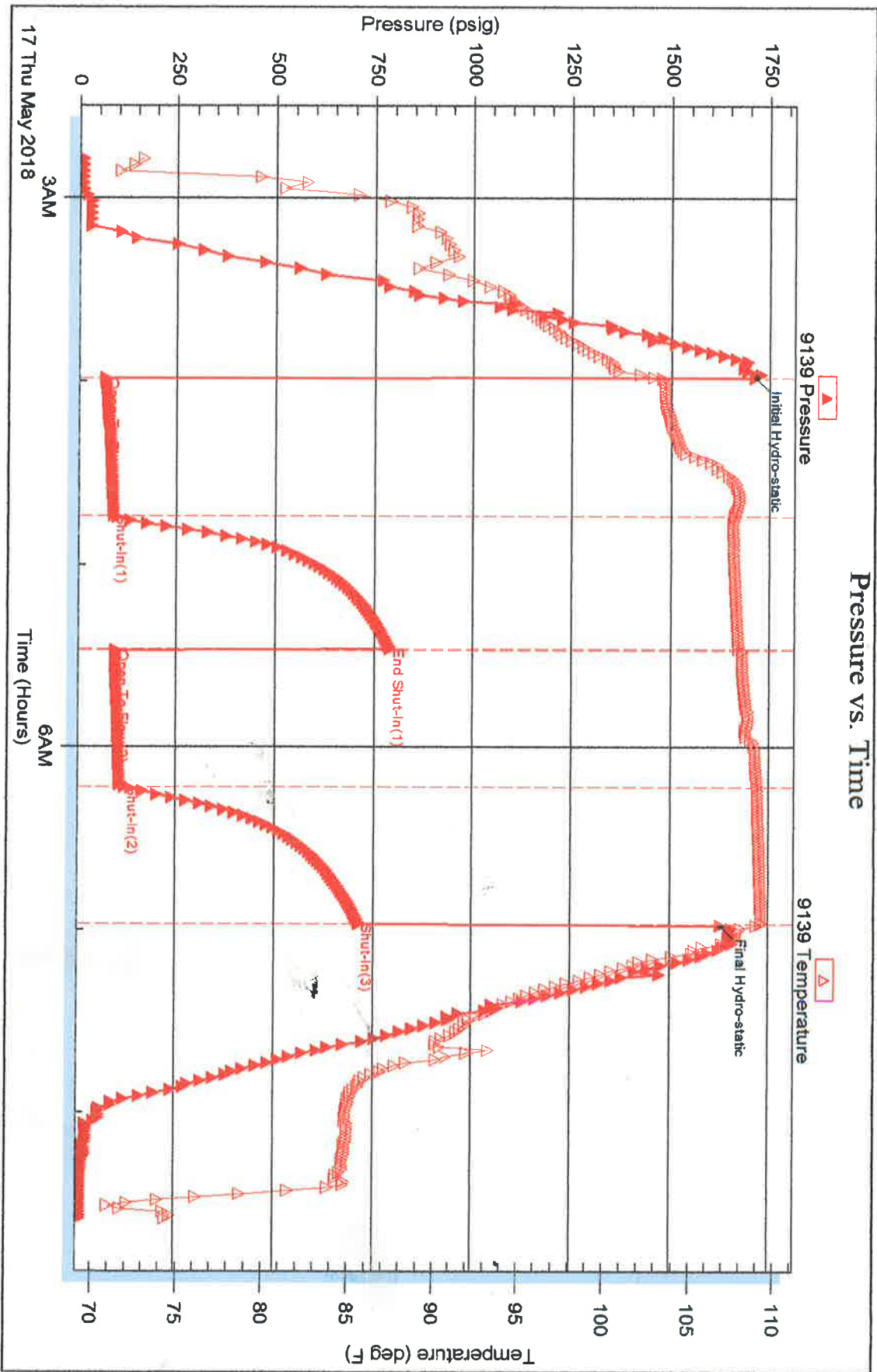
Recovery Comments:

Serial #: 9139

Outside Yellow Dog LLC

Baughman #28-1

DST Test Number: 4



Eagle Testers

Ref. No: 01122

Printed: 2018.05.17 @ 08:58:59

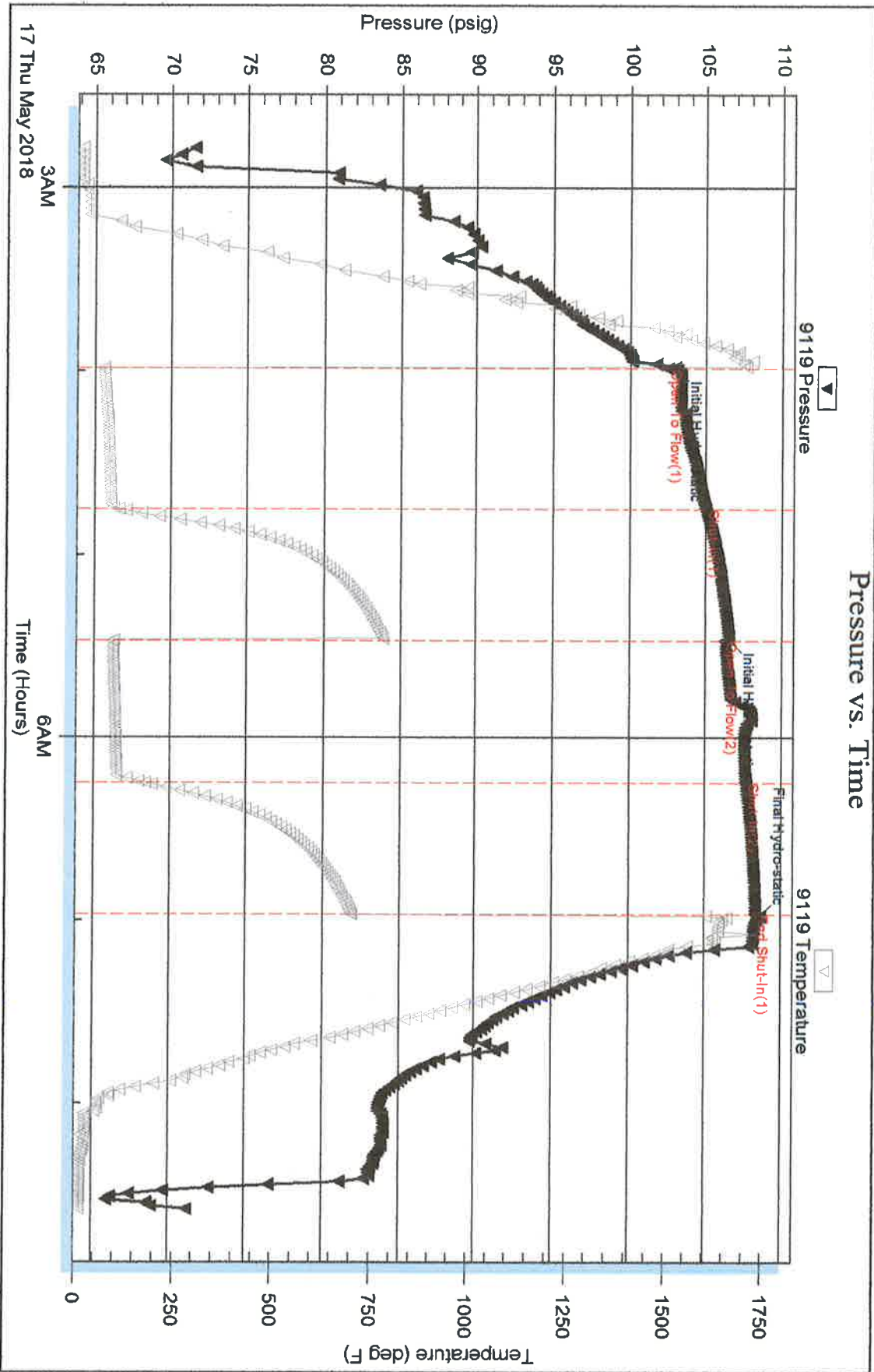
Serial #: 9119

Inside

Yellow Dog LLC

Baughman #28-1

DST Test Number: 4



Eagle Testers

Ref. No: 01122

Printed: 2018.05.17 @ 08:58:59

STATE OF KANSAS

CORPORATION COMMISSION
CONSERVATION DIVISION
266 N. MAIN ST., STE. 220
WICHITA, KS 67202-1513



PHONE: 316-337-6200
FAX: 316-337-6211
<http://kcc.ks.gov/>

GOVERNOR JEFF COLYER, M.D.

SHARI FEIST ALBRECHT, CHAIR | JAY SCOTT EMLER, COMMISSIONER | DWIGHT D. KEEN, COMMISSIONER

October 19, 2018

Joseph A. Allen
Yellow Dog Energy, LLC
212 NORTH CONCORD STREET
MINNEAPOLIS, KS 67467

Re: ACO-1
API 15-163-24361-00-00
BAUGHMAN 28-1
SW/4 Sec.28-07S-19W
Rooks County, Kansas

Dear Joseph A. Allen:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 05/10/2018 and the ACO-1 was received on October 19, 2018 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

GLOBAL OIL FIELD SERVICES, LLC

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>10-18</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Boughman</u>	WELL #. <u>25-1</u>	LOCATION				COUNTY <u>MOCK</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR <u>Royal</u>	
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE	T.D.
CASING SIZE <u>8 7/8</u>	DEPTH <u>263</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX.	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15</u>	
PERFS	
DISPLACEMENT <u>15.7 bbls</u>	
EQUIPMENT	
PUMP TRUCK #	CEMENTER <u>Bill</u>
	HELPER <u>Jason</u>
BULK TRUCK #	DRIVER
BULK TRUCK #	DRIVER <u>Pegnut</u>

OWNER		
CEMENT AMOUNT ORDERED		
COMMON	<u>102</u>	@ <u>16.00</u> <u>1632.00</u>
POZMIX	<u>68</u>	@ <u>9.50</u> <u>646.00</u>
GEL	<u>4</u>	@ <u>30.00</u> <u>120.00</u>
CHLORIDE	<u>6</u>	@ <u>59.50</u> <u>357.00</u>
ASC		@
		@
		@
		@
		@
		@
		@
		@
HANDLING	<u>180</u>	@ <u>190.00</u> <u>342.00</u>
MILEAGE	<u>.22/31/180</u>	@ <u>504.00</u> <u>504.00</u>
		TOTAL <u>3601.00</u>

REMARKS:

Ran 7 jts of 8 7/8 set @ 263
Cement w/ 17 sacks 60/40 3% CC 2% Gel
pump plus 4/15.7 bbls
Conn did CIRC.

CHARGE TO: Yellow Dog Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____

Global Oil Field Services, LLC
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____
 SIGNATURE _____

SERVICE		
DEPTH OF JOB		<u>750.00</u>
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE <u>Pickup</u>	@ <u>1.50</u>	<u>52.50</u>
MANIFOLD <u>pump truck</u>	@ <u>3.00</u>	<u>105.00</u>
	@	
	@	
		TOTAL <u>907.50</u>

PLUG & FLOAT EQUIPMENT		
	@	
	@	
	@	
	@	
	@	
pd in Full Thanks		
SALES TAX (if Any)		<u>35.02</u>
TOTAL CHARGES		<u>3500.00</u>
DISCOUNT		
IF PAID IN 30 DAYS		

GLOBAL OIL FIELD SERVICES, LLC

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>5-16-18</u>	SEC <u>28</u>	TWP <u>7S</u>	RANGE <u>9W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>11:00 AM</u>
LEASE <u>Baughman</u>		WELL # <u>28-1</u>		LOCATION <u>Webster iwtcs</u>		COUNTY <u>Books</u>	STATE <u>Ks</u>
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR ROYA 1

TYPE OF JOB _____

HOLE SIZE _____ I.D. 3485.75

CASING SIZE 5 1/2 DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX. _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. 38.77

PERFS _____

DISPLACEMENT _____

OWNER _____

CEMENT AMOUNT ORDERED
15000 gal 10% Salt 2% Gel
32522 gal 40 8% Gel 500 gal Flush

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK # _____ CEMENTER B. V.

HELPER Maddy

BULK TRUCK # _____ DRIVER Bullet

BULK TRUCK # _____ DRIVER Peanut

REMARKS:

500 gal Flush

pipe out @ 3485.75

Cement bottom of 15000 gal cement pump plug up

500 gal water 3000 gal mud load plus @ 1500 ft

Cement top stage @ 250 cement

pump plug up 34 bolts close tool 1200 ft

Cement did circ

D.U. 1408.39 #50

CHARGE TO: Yellow Dog Energy, LLC

STREET _____

CITY _____ STATE _____ ZIP _____

Global Oil Field Services, LLC

You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Jeff Crawford

SIGNATURE Jeff Crawford

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

13675.37

TOTAL _____

PLUG & FLOAT EQUIPMENT

10-TURBO @ _____

4-BASKET @ _____

DO @ _____

Float shoe @ _____

_____ @ _____

TOTAL _____

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS