

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) (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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Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	MOSIER BAUER UNIT 1
Doc ID	1320441

All Electric Logs Run

Dual Induction
Compensated Density/Neutron
Micro
Computer Processed Interpretation
Geologist Mud Log
Dual Receiver Cement Bond
LAS

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	MOSIER BAUER UNIT 1
Doc ID	1320441

Tops

Name	Top	Datum
Queen Hill	3262	-1292
Heebner	3364	-1394
Douglas	3399	-1429
Brown Lime	3473	-1503
Lansing	3483	-1513
Base KC	3713	-1743
Conglomerate	3801	-1831
Viola	3822	-1852
Simpson	3842	-1872
Arbuckle	3894	-1924

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	MOSIER BAUER UNIT 1
Doc ID	1320441

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	3890' - 3892'		



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 7/29/2016
 Invoice # 1739

P.O.#:
 Due Date: 8/28/2016
 Division: Russell

Invoice

RECEIVED AUG 8 2016

Contact:

Address/Job Location:

Younger Energy

Reference:

MOSIER-BAUER UNIT 1

Description of Work:

LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 446.94	No				
Common-Class A	270	\$ 2,694.24	Yes				
POZ Mix-Standard	180	\$ 757.42	Yes				
Calcium Chloride	19	\$ 639.60	Yes				
Flo Seal	225	\$ 270.51	Yes				
Bulk Truck Matl-Material Service Charge	477	\$ 286.74	No				
Premium Gel (Bentonite)	9	\$ 156.89	Yes				
8 5/8" Top Rubber Plug	1	\$ 73.34	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 64.92	Yes				
Pump Truck Mileage-Job to Nearest Camp	25	\$ 67.63	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	25	\$ 52.60	No				

Invoice Terms:

Net 30

SubTotal: \$ 5,510.80
 Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (137.77)

SubTotal for Taxable Items:	\$ 4,540.48
SubTotal for Non-Taxable Items:	\$ 832.55
Total:	\$ 5,373.03
Tax:	\$ 340.54

7.50% Pawnee County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,713.57
Applied Payments:
Balance Due: \$ 5,713.57

Past Due Invoices are subject to a service charge (annual rate of 24%)

This does not include any applicable taxes unless it is listed.

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180211
 - Cement 8 5/8" surface plug
 - 67/450 SYS 60/40 POZ mix, 490 lbs
 - 2% gel, 1/2" FLO seal, available to
 Surface

OR

OR

MPV
 MS-100

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1739

Date	7-29-16	Sec.	27	Twp.	21	Range	15	County	Pawnee	State	Ks	On Location		Finish	3:30PM
Lease	Mosier - Bauer unit			Location			Radium, Ks - 2N to 170 Rd, 4W to 40th Ave, 1S 1/2 E, N/Into								
Contractor	Duke 7			Well No.	1			Owner	Younger Energy Corporation						
Type Job	Surface			To Quality Oilwell Cementing, Inc.			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Hole Size	12 1/4"			T.D.	956'			Charge To	Younger Energy Corporation						
Csg.	8 5/8"			Depth	954.88'			Street							
Tbg. Size				Depth				City	State						
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.							
Cement Left in Csg.	26.38'			Shoe Joint	26.38'			Cement Amount Ordered	450 60/40 4% CC 2% Gel						
Meas Line				Displace	59 BLS			1/2# Fl. seal							
EQUIPMENT								Common	270						
Pumptrk	18	No.	Cementer	Brett			Helper	Poz. Mix	180						
Bulktrk	21	No.	Driver	Doug			Driver	Gel.	9						
Bulktrk	P.U.	No.	Driver	Rick			Driver	Calcium	19						
JOB SERVICES & REMARKS								Hulls							
Remarks:	Cement did			Circulate			Salt								
Rat Hole							Flowseal	225#							
Mouse Hole							Kol-Seal								
Centralizers							Mud CLR 48								
Baskets							CFL-117 or CD110 CAF 38								
D/V or Port Collar							Sand								
							Handling	477							
							Mileage								
FLOAT EQUIPMENT								Gate	Rubber plug						
							Gate	Baffle plate							
							Baskets								
							AFU Inserts								
							Float Shoe								
							Latch Down								
							Pumptrk Charge	Long Surface							
							Mileage	25							
							Tax								
							Discount								
							Total Charge								
X Signature	Gale D Roth														

Global Cementing LLC

1958 E HWY 40
Russell, KS 67665

Invoice

RECEIVED AUG 16 2016

Date	Invoice #
8/14/2016	2677
Due Date	8/14/2016

Bill To
YOUNGER ENERGY COMPANY 9415 E HARRY ST STE 403 BLDG 400 WICHITA,KS 67207

P.O. No.	Project
MOISER BAURE...	

Quantity	Description	Rate	Amount
280	COMMON	16.00	4,480.00
500	MUD FLUSH	1.00	500.00
	BULK MILEAGE	200.00	200.00
10	PUMP TRUCK MILEAGE	6.00	60.00
1	TRI-PLEX PUMP CHARGE FOR LONGSTRING	1,450.00	1,450.00
10	5 1/2 TURBOLIZER	84.00	840.00
2	5 1/2 BASKET	215.00	430.00
1	5 1/2 AFU FLOAT SHOE	325.00	325.00
1	5 1/2 LD & BAFFLE	285.00	285.00
5	GEL	21.50	107.50
12	SALT	16.00	192.00
	DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE	-2,900.00	-2,900.00
	PAWNEE CO	8.50%	0.00

OA

180311
Cement 5-1/2" production csg w/280 sts (annul) 10% salt 2% gel
Use 50 sts to plug part of mouse hole

Thank you for your business.

Phone #	Fax #	E-mail
785-324-2658	785-445-4174	globalcementing@gmail.com

Total \$5,969.50

DF SW

MBU = 1
copy to Pen
JIB

GLOBAL CEMENTING, L.L.C.

2677

REMIT TO 1958 E. Highway 40
Russell, KS 67665

SERVICE POINT: Russell

DATE <u>8-5-16</u>	SEC. <u>27</u>	TWP. <u>21</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>6:45</u>
LEASE <u>MOISER BAUER</u>		WELL # <u>UNIT #1</u>		LOCATION <u>Radium 2N 4W 1S. 1/2 E 1/4 N T10</u>		COUNTY <u>RAWNER</u>	STATE <u>KANSAS</u>
OLD OR NEW (CIRCLE ONE) <u>NEW</u>							

CONTRACTOR <u>DUKE DRIG. Rig # 7 "Galen"</u>		OWNER
TYPE OF JOB <u>PRODUCTION STAINING</u>		
HOLE SIZE <u>7 7/8</u>	T.D. <u>4010</u>	
CASING SIZE <u>5 1/2</u>	DEPTH <u>4000</u>	
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL <u>LATCH Down Plug Assy</u>	DEPTH <u>3980</u>	
PRES. MAX	MINIMUM	
MEAS. LINE	SHOE JOINT <u>20'</u>	
CEMENT LEFT IN CSG. <u>20'</u>		
PERFS		
DISPLACEMENT	<u>92.55 / BBL</u>	
EQUIPMENT		<u>Bill L.</u>
PUMP TRUCK # <u>P-#1</u>	CEMENTER <u>Glenn G.</u>	
	HELPER <u>Heath L.</u>	
BULK TRUCK # <u>B#5</u>	DRIVER <u>Jason M.</u>	
BULK TRUCK #	DRIVER	

CEMENT	
AMOUNT ORDERED <u>280 sy COM</u>	
<u>10% SALT 2% GEL</u>	
<u>2sx Sodium Metasilicate on side</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
<u>500 GAL 2 SX SODIUM</u>	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	@
	TOTAL

REMARKS:

Set 5 1/2 csg @ 4000' Received
Circulation, Drop AFU RAIL
Circulate at Bottom HR, Cement RH,
w/ 30 sx, Pump Flush, Cement w/ 250 sx,
Clear line, Release LATCH Down Plug
& Displace 92 1/2 BBL H₂O LAND
Plug @ 1500 ft, Release Pressure,
AFU - Plug - (HELD) THANKS!
20 sx @ mouse hole

CHARGE TO: Younger Energy Company
 STREET _____
 CITY _____ STATE _____ ZIP _____

Global Cementing, L.L.C.,
 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 Chris D Ruhl
 SIGNATURE Chris D Ruhl

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD	@
	@
	@
	TOTAL

5 1/2 csg. PLUG & FLOAT EQUIPMENT

<u>1- Float Shoe</u>	@
<u>1- LATCH Down Plug</u>	@
<u>1- Baffle Plate</u>	@
<u>10- TURBO-CENT.</u>	@
<u>2- BASKETS</u>	@
	TOTAL

SALES TAX (if Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS



DRILL STEM TEST REPORT

Prepared For: **YOUNGER ENERGY COMPANY**

9415 E. HARRY SUITE 402 BUILDING 400
WICHITA, KANSAS 67207-5083

ATTN: KEITH REAVIS

MOSIER BAUER UNIT 1

27-21S-15W PAWNEE

Start Date: 2016.08.03 @ 22:55:00

End Date: 2016.08.04 @ 00:00:00

Job Ticket #: DST #: 1

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

Printed: 2016.08.04 @ 10:05:17



DRILL STEM TEST REPORT

YOUNGER ENERGY COMPANY

27-21S-15W PAWNEE

9415 E. HARRY SUITE 402 BUILDING 400
WICHITA, KANSAS 67207-5083

MOSIER BAUER UNIT 1

ATTN: KEITH REAVIS

Job Ticket: **DST#: 1**

Test Start: 2016.08.03 @ 22:55:00

GENERAL INFORMATION:

Formation: **SIMPSON SAND**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:38:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1-45

Interval: **3707.00 ft (KB) To 3889.00 ft (KB) (TVD)**

Reference Elevations: 1970.00 ft (KB)

Total Depth: 3889.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 9119

Inside

Press@RunDepth: 1312.89 psia @ 3883.98 ft (KB)

Capacity: 5000.00 psia

Start Date: 2016.08.03

End Date: 2016.08.03

Last Calib.: 2016.08.04

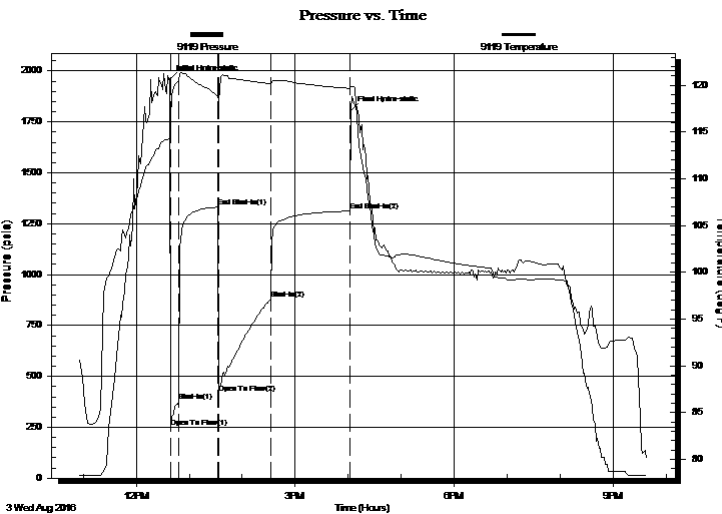
Start Time: 10:55:00

End Time: 21:38:00

Time On Btm: 2016.08.03 @ 12:38:00

Time Off Btm: 2016.08.03 @ 16:03:00

TEST COMMENT: 1ST OPENING 10 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
1ST SHUT-IN 45 MINUTES-WEAK SURFACE BLOW THROUGH OUT
2ND OPENING 60 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
2ND SHUT IN 90 MINUTES-3 INCH BLOW BACK TO WEAK SURFACE BLOW



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1955.74	114.41	Initial Hydro-static
1	250.72	113.85	Open To Flow (1)
10	376.49	120.50	Shut-In(1)
55	1331.68	118.88	End Shut-In(1)
55	415.72	118.36	Open To Flow (2)
115	881.56	120.16	Shut-In(2)
204	1312.89	119.65	End Shut-In(2)
205	1806.75	119.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2200.00	CLEAN GASSY OIL 15 GAS 85 OIL	29.20
0.00	240 GAS IN THE PIPE	0.00
0.00	GRAVITY OF OIL 39 CORRECTED	0.00

Gas Rates

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



DRILL STEM TEST REPORT

YOUNGER ENERGY COMPANY

27-21S-15W PAWNEE

9415 E. HARRY SUITE 402 BUILDING 400
WICHITA, KANSAS 67207-5083

MOSIER BAUER UNIT 1

ATTN: KEITH REAVIS

Job Ticket: **DST#: 1**

Test Start: 2016.08.03 @ 22:55:00

GENERAL INFORMATION:

Formation: **SIMPSON SAND**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:38:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: GENE BUDIG

Unit No: 1-45

Interval: **3707.00 ft (KB) To 3889.00 ft (KB) (TVD)**

Reference Elevations: 1970.00 ft (KB)

Total Depth: 3889.00 ft (KB) (TVD)

1957.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 13.00 ft

Serial #: 9139 Outside

Press@RunDepth: 1313.92 psia @ 3883.98 ft (KB)

Capacity: 5000.00 psia

Start Date: 2016.08.03

End Date:

2016.08.04

Last Calib.:

2016.08.04

Start Time: 22:55:00

End Time:

09:38:00

Time On Btm:

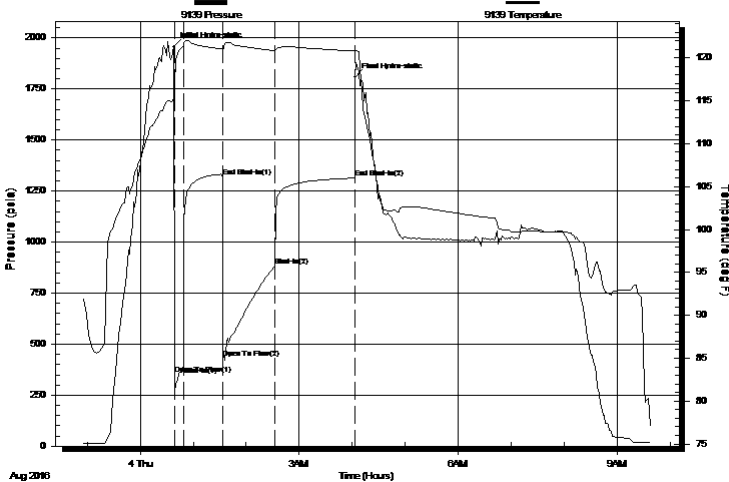
2016.08.04 @ 00:38:00

Time Off Btm:

2016.08.04 @ 04:03:00

TEST COMMENT: 1ST OPENING 10 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
1ST SHUT-IN 45 MINUTES-WEAK SURFACE BLOW THROUGH OUT
2ND OPENING 60 MINUTES-GOOD BLOW BUILT TO THE BOTTOM OF A 5 GALLON BUCKET IN 3 MINUTES
2ND SHUT IN 90 MINUTES-3 INCH BLOW BACK TO WEAK SURFACE BLOW

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1957.30	115.28	Initial Hydro-static
1	354.06	114.39	Open To Flow (1)
11	389.21	121.34	Shut-In(1)
56	1320.79	121.06	End Shut-In(1)
56	430.69	120.66	Open To Flow (2)
115	880.98	120.85	Shut-In(2)
205	1313.92	120.81	End Shut-In(2)
205	1808.00	121.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2200.00	CLEAN GASSY OIL 15 GAS 85 OIL	29.20
0.00	240 GAS IN THE PIPE	0.00
0.00	GRAVITY OF OIL 39 CORRECTED	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

YOUNGER ENERGY COMPANY

27-21S-15W PAWNEE

9415 E. HARRY SUITE 402 BUILDING 400
WICHITA, KANSAS 67207-5083

MOSIER BAUER UNIT 1

ATTN: KEITH REAVIS

Job Ticket: **DST#: 1**

Test Start: 2016.08.03 @ 22:55:00

Tool Information

Drill Pipe:	Length: 3514.00 ft	Diameter: 3.80 inches	Volume: 49.29 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: 182.00 ft	Diameter: 2.25 inches	Volume: 0.90 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 50.19 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 66000.00 lb
Depth to Top Packer:	3707.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	181.98 ft			
Tool Length:	210.98 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3683.00	
Hydraulic tool	5.00			3688.00	
Jars	7.00			3695.00	
Safety Joint	2.00		Fluid	3697.00	
Top Packer	5.00			3702.00	
Packer	5.00			3707.00	29.00 Bottom Of Top Packer
Anchor	7.00			3714.00	
Change Over Sub	0.75			3714.75	
Drill Pipe	158.48			3873.23	
Change Over Sub	0.75			3873.98	
Anchor	10.00			3883.98	
Recorder	0.00	9119	Inside	3883.98	
Recorder	0.00	9139	Outside	3883.98	
Bullnose	5.00			3888.98	181.98 Anchor Tool

Total Tool Length: 210.98



DRILL STEM TEST REPORT

FLUID SUMMARY

YOUNGER ENERGY COMPANY

27-21S-15W PAWNEE

9415 E. HARRY SUITE 402 BUILDING 400
WICHITA, KANSAS 67207-5083

MOSIER BAUER UNIT 1

Job Ticket: DST#: 1

ATTN: KEITH REAVIS

Test Start: 2016.08.03 @ 22:55:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 54.00 sec/qt
Water Loss: 8.40 in³
Resistivity: ohm.m
Salinity: 2750.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psia
Oil API: 39 deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2200.00	CLEAN GASSY OIL 15 GAS 85 OIL	29.202
0.00	240 GAS IN THE PIPE	0.000
0.00	GRAVITY OF OIL 39 CORRECTED	0.000

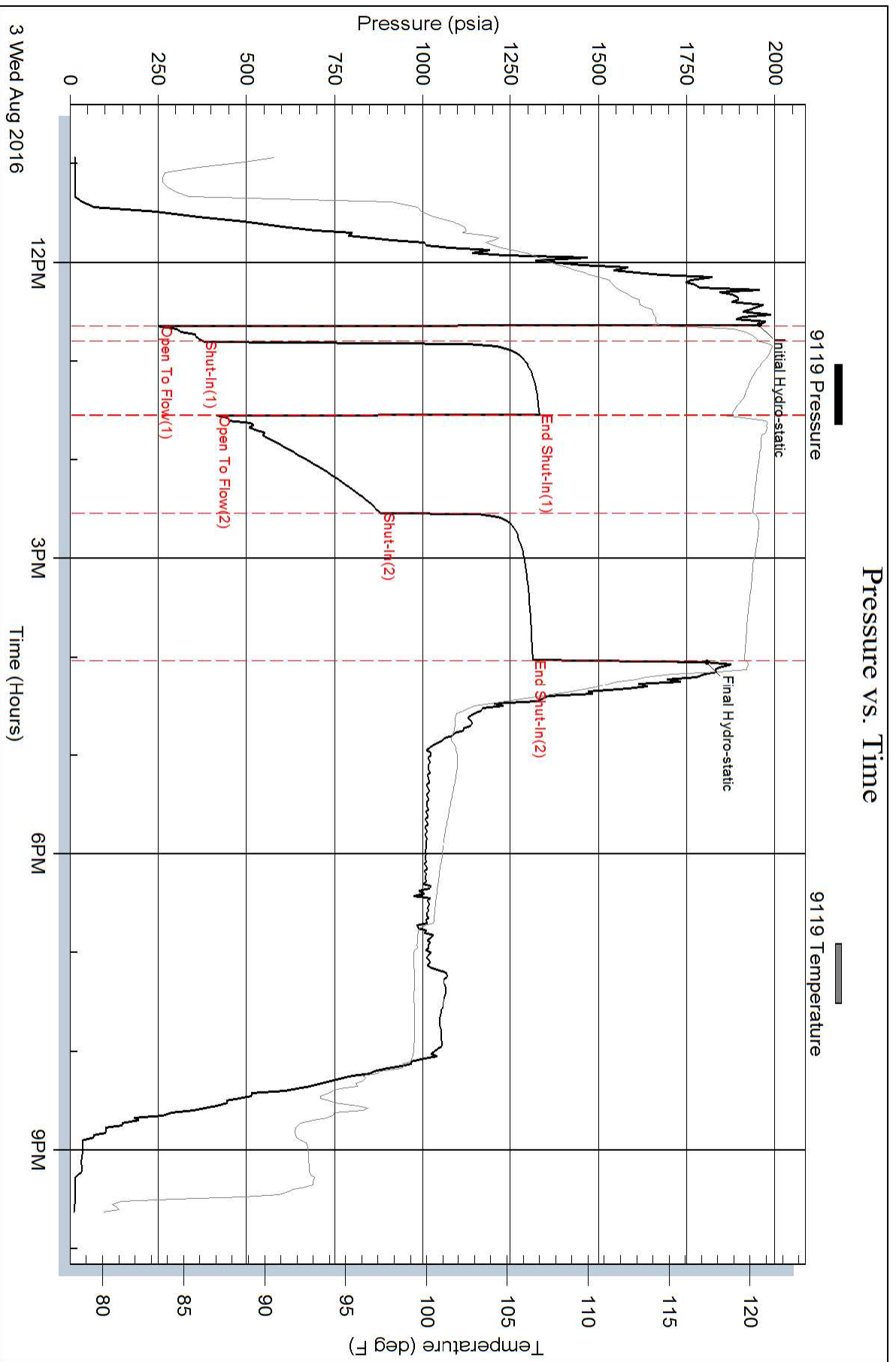
Total Length: 2200.00 ft Total Volume: 29.202 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: REVERSED OIL TO A TANK TRUCK

Pressure vs. Time



Pressure vs. Time

