

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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Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	DRACH 3
Doc ID	1366761

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	DRACH 3
Doc ID	1366761

Tops

Name	Top	Datum
Heebner	3244	-1346
Toronto	3264	-1366
Douglas	3280	-1382
Brown Lime	3370	-1472
Lansing	3390	-1492
Base Kansas City	3600	-1702
Conglomerate	3633	-1735
Viola	3663	-1765
Simpson Shale	3720	-1822
Arbuckle	3778	-1880

OPERATOR

Company: Younger Energy Company
 Address: 9415 E. Harry
 Bldg 400, Suite 403
 Wichita, KS 67207

Contact Geologist:
 Contact Phone Nbr: 316-681-2542
 Well Name: Drach #3
 Location: Sec. 9 - T22S - R13W
 API: 15-185-23989-0000
 Pool:
 State: Kansas

Field: Silver Bell
 Country: USA



Scale 1:240 Imperial

Well Name: Drach #3
 Surface Location: Sec. 9 - T22S - R13W
 Bottom Location:
 API: 15-185-23989-0000
 License Number: 30705
 Spud Date: 6/9/2017 Time: 7:00 AM
 Region: Stafford County
 Drilling Completed: 6/15/2017 Time: 1:40 PM
 Surface Coordinates: 1223 ft. FNL & 886 ft. FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1890.00ft
 K.B. Elevation: 1898.00ft
 Logged Interval: 3100.00ft To: 3850.00ft
 Total Depth: 3850.00ft
 Formation: Arbuckle
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.751167
 Latitude: 38.155885
 N/S Co-ord: 1223 ft. FNL
 E/W Co-ord: 886 ft. FEL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530

Phone Nbr: 620-617-4091
 Logged By: KLG #136

Name: Keith Reavis

CONTRACTOR

Contractor: Duke Drilling Company
 Rig #: 8
 Rig Type: mud rotary
 Spud Date: 6/9/2017
 TD Date: 6/15/2017
 Rig Release:

Time: 7:00 AM
 Time: 1:40 PM
 Time:

ELEVATIONS

K.B. Elevation: 1898.00ft
K.B. to Ground: 8.00ft

Ground Elevation: 1890.00ft

NOTES

Due to results of DST 3 the operator elected to set 5 1/2" production casing to further test the Arbuckle.

A Bloodhound gas detection system operated by Bluestem Labs was employed during the drilling of this well. ROP and gas data were imported from the Bloodhound and into this report. Gamma ray and caliper curves from the electrical log suite were also imported into this log.

Respectfully submitted,
Keith Reavis

Younger Energy Company daily drilling report

DATE	7:00 AM DEPTH	REMARKS
06/12/2017		Geologist Keith Reavis on location @ 2100 hrs, 3240 ft, replace extractor, Heebner, Toronto, Douglas
06/13/2017	3497	drilling ahead, Douglas, Brown Lime, Lansing, shows and gas kicks in H, I and J zones warrant test, short trip, ctch, TOH for DST #1, conduct and complete DST #1, successful test, TIIH, ctch,
06/14/2017	3665	resume drilling, K zone, BKC, conglomerate, Viola, Simpson, Arbuckle, show in Simpson Sand and Arbuckle warrant DST, TOH for DST #2, conduct and completed DST #2, successful test, TIIH w/bit, resume drilling, cfs and ctch
06/15/2017	3783	TOH for DST #3, Arbuckle, run DST #3, successful test, TIIH w/bit, rathole to TD of 3850, cfs and ctch, TOH for logs, conduct and complete logging operations geologist off location @ 2010 hrs

Younger Energy Company well comparison sheet

DRILLING WELL					COMPARISON WELL			
Drach #3 1223' FNL & 886' FEL Sec. 9-T22S-R13W					Younger - Drach #1 NE NE NE Sec. 9-T22S-R13W			
1898 KB					1895 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log
Heebner	3243	-1345	3244	-1346	3237	-1342	-3	-4
Toronto	3264	-1366	3264	-1366	3256	-1361	-5	-5
Douglas	3278	-1380	3280	-1382	3272	-1377	-3	-5
Brown Lime	3368	-1470	3370	-1472	3365	-1470	0	-2
Lansing	3388	-1490	3390	-1492	3384	-1489	-1	-3
Lansing G por	3468	-1570	3468	-1570	3464	-1569	-1	-1
Lansing H por	3516	-1618	3518	-1620	3511	-1616	-2	-4
Base KC	3597	-1699	3600	-1702	3592	-1697	-2	-5
Conglomerate	3629	-1731	3633	-1735	3621	-1726	-5	-9
Viola	3667	-1769	3663	-1765	3656	-1761	-8	-4
Simpson Shale	3717	-1819	3720	-1822	3709	-1814	-5	-8
Arbuckle	3777	-1879	3778	-1880	3764	-1869	-10	-11
Total Depth	3850	-1952	3851	-1953	3772	-1877	-75	-76



DRILL STEM TEST REPORT

Younger Energy Company

9-22-13w Stafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01172

DST#: 1

ATTN: Keith Reavis

Test Start: 2017.06.13 @ 16:58:00

GENERAL INFORMATION:

Formation: Lansing "H&J"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:39:00

Time Test Ended: 21:49:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: 3508.00 ft (KB) To 3566.00 ft (KB) (TV D)

Reference Elevations: 1898.00 ft (KB)

Total Depth: 3566.00 ft (KB) (TV D)

1890.00 ft (CF)

Hole Diameter: 7.88 inches to B Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716

Outside

Press@RunDepth: 117.14 psig @ 3555.92 ft (KB)

Capacity: 5000.00 psig

Start Date: 2017.06.13

End Date:

2017.06.13

Last Calib.: 2017.06.13

Start Time: 16:58:00

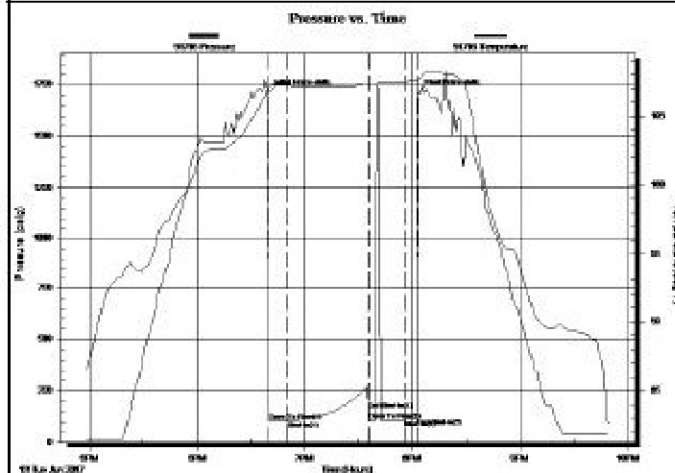
End Time:

21:49:29

Time On Btm: 2017.06.13 @ 18:39:30

Time Off Btm: 2017.06.13 @ 20:03:30

TEST COMMENT: 1st Opening 10 Minutes weak blow for 7 minutes and died
 1st Shut-in 45 Minutes no blow back
 2nd Opening 19 Minutes a-No blow - Flushed tool good surge-Weak blow for 6 minutes and died
 2nd Shut-in 10 Minutes No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	171.022	107.09	Initial Hydro-static
1	101.36	107.15	Open To Flow (1)
11	101.74	107.20	Shut-In (1)
56	155.68	107.26	End Shut-In (1)
56	105.33	107.27	Open To Flow (2)
76	108.08	107.48	Shut-In (2)
84	117.14	107.59	End Shut-In (2)
85	1709.66	107.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling Mud there Was a good's how of	0.56
0.00	oil between the tools	0.00

Gas Rates

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

Drill Stem Test #2



DRILL STEM TEST REPORT

Younger Energy Company

9-22-13w Stafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01173

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.06.14 @ 14:22:00

GENERAL INFORMATION:

Formation: **Simpson & Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 15:42:00
 Time Test Ended: 00:00:00

Test Type: Conventional BottomHole (Initial)
 Tester: Gene Budig
 Unit No: 1

Interval: 3736.00 ft (KB) To 3778.00 ft (KB) (TVD)
 Total Depth: 3778.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

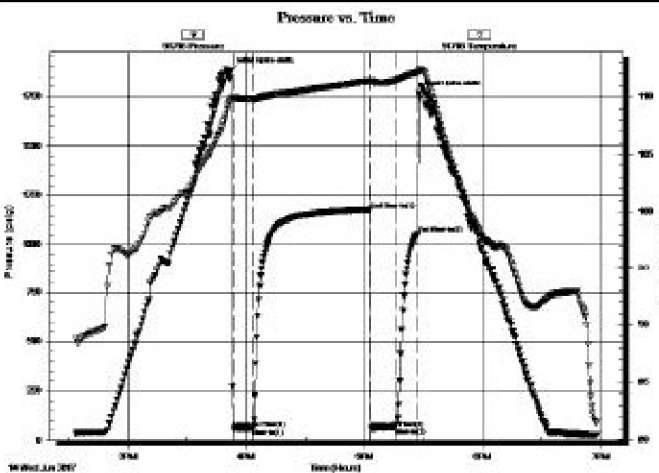
Reference Elevations: 1898.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press@RunDepth: 1057.55 psig @ 3773.00 ft (KB)
 Start Date: 2017.06.14 End Date: 2017.06.14
 Start Time: 14:33:30 End Time: 18:58:00

Capacity: 5000.00 psig
 Last Calb.: 2017.06.14
 Time On Btm: 2017.06.14 @ 15:52:30
 Time Off Btm: 2017.06.14 @ 17:27:30

TEST COMMENT: 1st Opening 10 Minutes Very weak blow through out
 1st Shut-in 60 Minutes no blow back
 2nd Opening 13 Minutes no blow flushed tool no help
 2nd Shut-in 10 Minutes No blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.68	109.85	Initial Hydro-static
1	59.06	109.92	Open To Flow (1)
11	61.25	109.80	Shut-in(1)
71	1178.97	111.38	End Shut-in(1)
71	58.03	111.38	Open To Flow (2)
83	64.88	111.37	Shut-in(2)
95	1057.55	112.13	End Shut-in(2)
95	1763.61	112.16	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)

Drill Stem Test #3



DRILL STEM TEST REPORT

Younger Energy Company

9-22-13w Stafford

941 5E Harry Suite 403
 Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01174

DST#: 3

ATTN: Keith Peavis

Test Start: 2017.06.15 @ 01:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:55:00
 Time Test Ended: 00:00:00

Test Type: Conventional BottomHole (Initial)
 Tester: Gene Budig
 Unit No: 1

Interval: 3769.00 ft (KB) To 3783.00 ft (KB) (TVD)
 Total Depth: 3783.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1898.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 8.00 ft

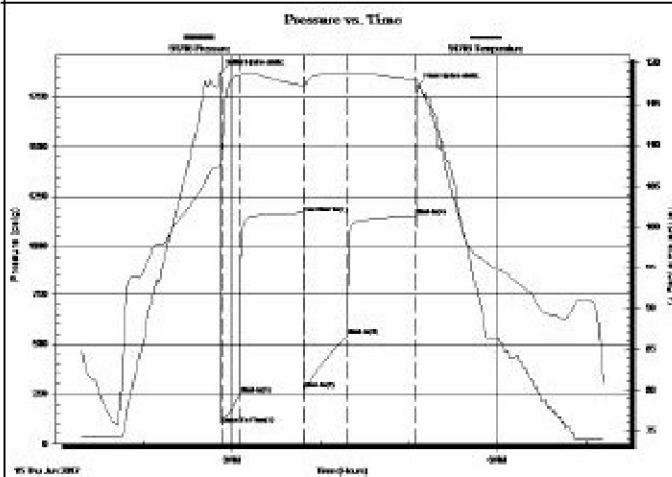
Serial #: 91716 Outside

Press@RunDepth: 1167.79 psig @ 3778.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2017.06.15 End Date: 2017.06.15 Last Calb.: 2017.06.15
 Start Time: 01:18:00 End Time: 07:12:29 Time On Btm: 2017.06.15 @ 02:52:30
 Time Off Btm: 2017.06.15 @ 05:05:30

TEST COMMENT: 1st opening 10 Minutes Strong blow built to the bottom of the bucket in 1 minute
 1st Shut-h 45Minutes weak blow back
 2nd Opening 30minutes Good blow built to the bottom of the bucket in 2 minutes
 2nd Shut-In 45Minutes Weak blow back



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.25	107.71	Initial Hydro-static
1	98.70	108.61	Open To Flow (1)
13	250.84	118.59	Shut-In(1)
56	1167.79	117.28	End Shut-In(1)
57	271.12	117.23	Shut-In(2)
86	542.93	118.77	Shut-In(3)
132	1153.98	118.02	Shut-In(4)
133	1805.73	118.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Gas in the pipe	4.21
350.00	frothy gassy oil	4.91
120.00	Oil and gasd cut w ater	1.68
0.00	27%Gas 15% Oil 8% Mudnb 40% Water	0.00
120.00	Oil and gas cut w ater	1.68
0.00	17%Gas 15% Oil 8%Mud 60% Water	0.00

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (M cfd)

DST #3 Fluid Recovery

Recovery Table

Length ft	Description	Volume bbl
300.00	Gas in the pipe	4.208
350.00	frothy gassy oil	4.910
120.00	Oil and gasd cut w ater	1.683
0.00	27%Gas 15% Oil 8% Mudnb 40% Water	0.000
120.00	Oil and gas cut w ater	1.683
0.00	17%Gas 15% Oil 8%Mud 60% Water	0.000
120.00	Oil Cut Water	1.683
0.00	10%Oil 8% Mud 82%Water	0.000
120.00	Water w ith A trace of oil	1.683
0.00	1%Oil 3%Mud 96%Water	0.000
120.00	Water w ith a traCE OF oil	1.683
0.00	3%Mud 97%Water	0.000
180.00	w ater w ith a trace of oil	2.525
0.00	1%Mud 99% Water	0.000
0.00	chlorides 19,000	0.000

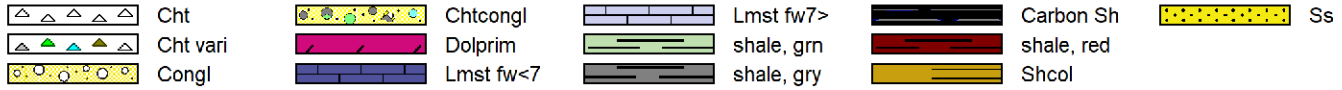
Total Length: 1430.00 ft

Total Volume: 20.058 bbl

Total Volume: 20.058 bbl

Total Volume: 20.058 bbl

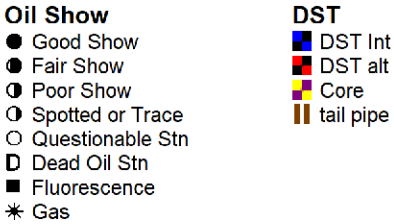
ROCK TYPES



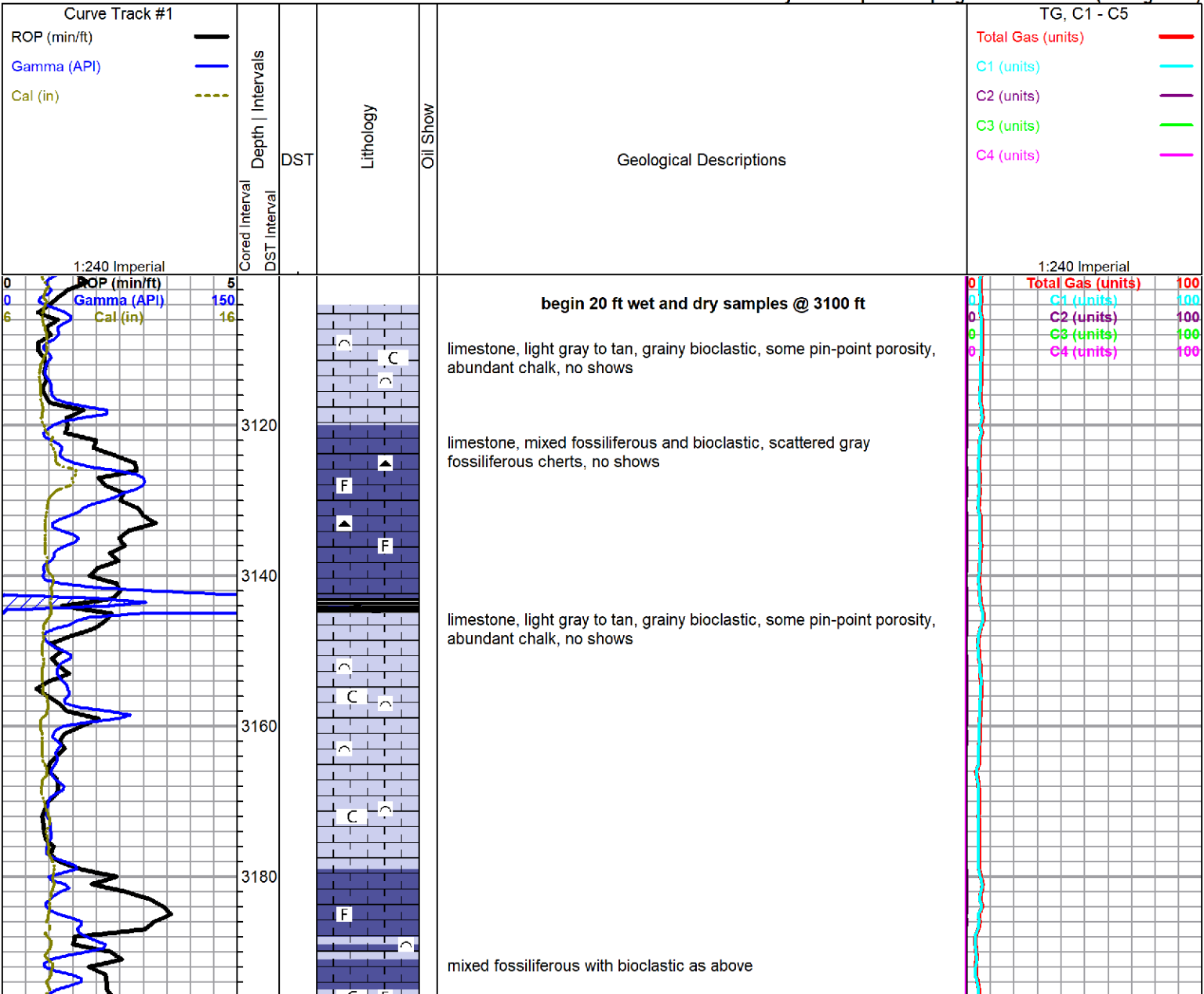
ACCESSORIES

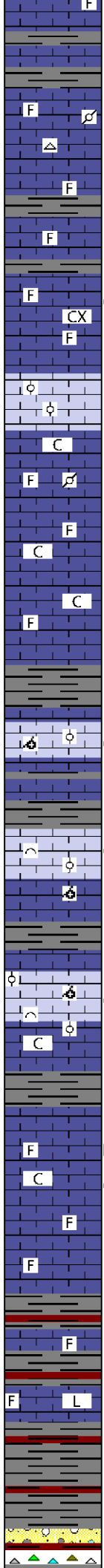
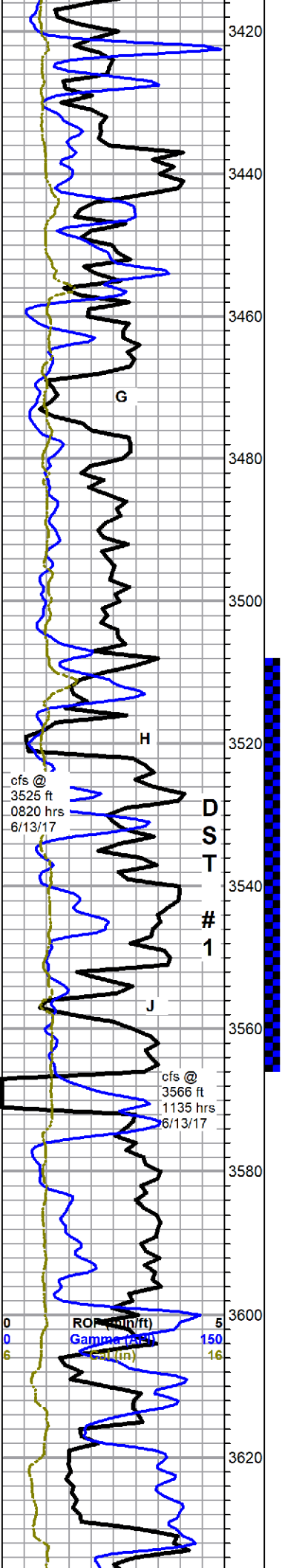


OTHER SYMBOLS



Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)





limestone, mixed, cream to light gray, fossiliferous, some grainy, chalky, with variable gray to brown mottled limestone, scattered pelletal limestone, gray arenaceous limestone, scattered chert, no shows

a.a

F zone limestone, light gray to cream, cryptocrystalline, fossiliferous, some secondary calcite, few pieces with some fair solution vugs, light stain, no show free oil, fleeting sour odor, poor fluorescence, slow milky cut, abundant dark gray dense fossiliferous

G zone, limestone, gray to tan, oolitic, poorly developed, poor visible porosity, some very chalky, no shows

limestones, mixed fossiliferous, chalky, with abundant cryptocrystalline, sub-lithographic, dense, abundant chalk in samples, no shows

a.a.

limestone, cream to light gray, oolitic to sub-oolitic, some recrystallized, chalky, much flattened, few pieces with secondary calcite filling mold, some wormy dark stained solution vugs, slight show tarry/clingy oil, no odor, poor fluorescence, good cut

3550 sample - limestone, white to light gray, oolitic to bioclastic, some sub-oolitic, scattered inter-oolite and interclast porosity, scattered fair inter-oolite and clast staining, some sheen and oil droplets on break, trace gassy, feeble odor, spotty fluorescence, good cut - 3560 sample, a.a. with better stain, some gassy, faint odor, some oomoldic with show

limestone, white to light gray and tan, variable oolitic to oomoldic to sub-oolitic, some white bioclastic, some fair oomold porosity and scattered inter-oolite and inter-clast porosity, some small stained solution vugs, spotty stain, fair sheen and some free oil on break, fleeting odor, scattered fluorescence, good milky streaming cut

Note: no drill time 3567-71 ft, geograph switched to 5 min time and geograph wire short

limestone, white to cream and light gray, micro-cryptocrystalline, fossiliferous, some arenaceous, some very chalky, some scattered light staining, mostly in chalky facies, one piece with drop of free oil on break, no odor, poor fluorescence, light milky cut

Base KC 3597 -1699

limestone, gray, some with lavender cast, microcrystalline, fossiliferous, grainy, light gray to white, cryptocrystalline, fossiliferous to lithographic, few scattered specimens with slight stain, no show free oil or odor, some maroon and lavender shales with abundant gray shale

Conglomerate 3629 -1731

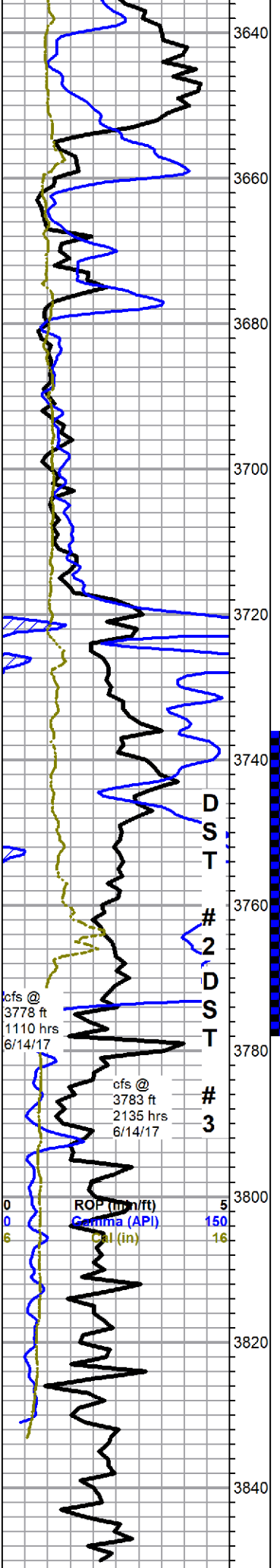
mixed shale, limestone and cherts

Andy's Mud chk
@ 3525 ft.
0915 hrs. 6/13/17
Vis. 43 Wt. 9.2
PV 12 YP 22
WL 8.8
Cake 1/32,
pH 9.0
CHL 5000 ppm
Ca 10 ppm
Sol 6.2 LCM 1#
DMC \$199.50
CMC \$9452.55

22 unit total kick

pipe strap
0.79 ft short to board

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100



Viola 3667 -1769

chert, boney white with some opaque tan, trace yellow, mostly fresh, some scattered sub-tripolitic with black to brown stain, some gray dolomite adhesions, dolomite, gray, microcrystalline, sub-rhombic, dense, no visible porosity, no show free oil, fleeting sour odor, poor fluorescence, no cut

a.a with increased dolomite content, dolomite is grading from gray to brown, slow bleeding gas, no show free oil, no odor

Simpson Shale 3717 -1819

shale, gray, green, waxy green, some maroon, with scattered sandstone, green, quartz, white and reddish brown, fine to med grain, dirty, fair to poor cement, shale bound in part, poor sorting, no visible porosity or shows - still carrying abundant Viola cherts and dolomites in samples

3778 sample a.a. with some sandstone, mostly small clusters, quartz, very fine grain, fair sorting, fairly friable some inter-grain porosity, golden brown stain, show free oil on break, weak fleeting odor in wet cup, no fluorescence, weak cut

30 min sample, flood msy green shale, olive shale and chalk, with olive brown sandy limestone, poor porosity, some large black clasts, few pieces olive brown sandstone, fine to medium grain, well cemented, slight stain, show oil on break, some free oil droplets in sample, good odor (sulfury smell) in wet cup - appears to be erosional/transition surface

Arbuckle 3777 -1879

3778 60 min sample, dolomite, dark gray to brown (stain?), microcrystalline, sub-rhombic, poor visible porosity, streaming sheen in tray, fair show oil on break, good odor a.a., dull green fluorescence, fair slow streaming cut

3783 cfs, dolomite, gray to light gray, some white, microcrystalline, sub-rhombic to sub-sucrosic to recrystallized, trace rhombic, spotty to saturated black to brown stain, some pinpoint porosity slightly bleeding oil, good odor in cup, good green/white fluor., poor cut, 50% plus of samples barren, mostly dense cryptocrystalline dolomite

3890 & 3800 samples, mostly trip trash, poor samples

3810 - 3830 samples, dolomites, variable gray, micro to fine crystalline, rhombic to sub-rhombic and re-crystallized, some sub-sucrosic, some fair intercrystalline porosity and solution vugs, spotty to saturated stain, most samples stained, fair show of oil with heavy streaming sheen in tray (sheen could be due to oil contaminated mud), good odor, but sour, bright yellowish fluorescence

3840 - 3850 30 min cfs - dolomite, gray to light gray, trace white, micro to medium crystalline, rhombic, sub-rhombic and recrystallized, with some sucrosic and dense lithographic, some good intercrystalline porosity, 30-50% staining, mostly spotty and black, no show free oil, sheen falls out of samples, weak odor, light yellow fluorescence, abundant influx boney white chert

60 min cfs, dolomite a.a., medium crystalline drops out, more dense lithographic, only scattered light staining, no show free oil, faint odor, chert a.a.

Rotary TD 3850 ft. @ 1340 hrs 6/15/17

ELI Wiring TD 3851 ft.

Logging Operations Complete @ 2000 hrs 6/15/17

Andy's Mud chk @ 3720 ft. 0815 hrs. 6/14/17 Vis. 48 Wt. 9.2 PV 14 YP 24 WL 8.0 Cake 1/32, pH 9.5 CHL 4000 ppm Ca 10 ppm Sol 6.2 LCM 2# DMC \$498.20 CMC \$9950.75

contamination from DST

Total Gas (units) 100
C1 (units) 100
C2 (units) 100
C3 (units) 100
C4 (units) 100



DRILL STEM TEST REPORT

Prepared For: **Younger Energy Company**

9415 E. Harry Suite 403
Wichita.Kansas 67207-5083

ATTN: Keith Reavis

Drack #3

9-22s-13wStafford

Start Date: 2017.06.13 @ 16:58:00

End Date: 2017.06.13 @ 21:49:00

Job Ticket #: 01172 DST #: 1

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

Printed: 2017.06.13 @ 22:10:43



DRILL STEM TEST REPORT

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita.Kansas 67207-5083

Drack #3

Job Ticket: 01172

DST#: 1

ATTN: Keith Reavis

Test Start: 2017.06.13 @ 16:58:00

GENERAL INFORMATION:

Formation: **Lansing "H-I &J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 18:39:00

Time Test Ended: 21:49:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: **3508.00 ft (KB) To 3566.00 ft (KB) (TVD)**

Reference Elevations: 1898.00 ft (KB)

Total Depth: 3566.00 ft (KB) (TVD)

1890.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **91716** Outside

Press@RunDepth: 117.14 psig @ 3555.92 ft (KB)

Capacity: 5000.00 psig

Start Date: 2017.06.13

End Date: 2017.06.13

Last Calib.: 2017.06.13

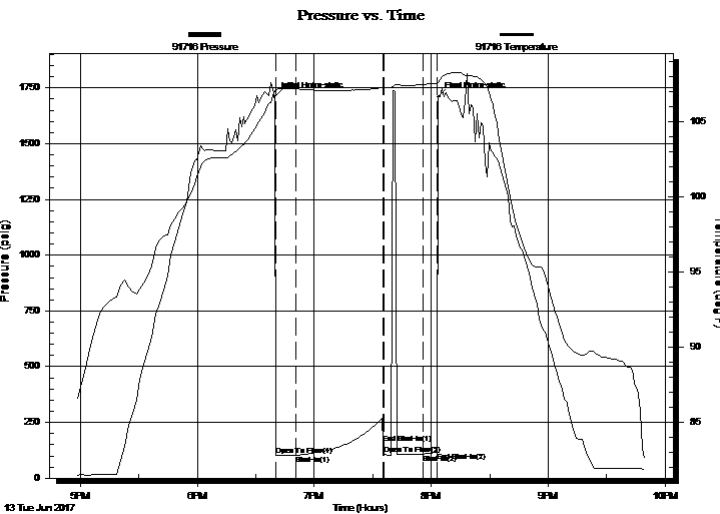
Start Time: 16:58:00

End Time: 21:49:29

Time On Btm: 2017.06.13 @ 18:39:30

Time Off Btm: 2017.06.13 @ 20:03:30

TEST COMMENT: 1st Opening 10 Minutes weak blow for 7 minutes and died
1st Shut-In 45 Minutes no blow back
2nd Opening 19 Minutes=No blow -Flushed tool good surge-Weak blow for 6 minutes and died
2nd Shut-In 10 Minutes No blkow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1710.22	107.09	Initial Hydro-static
1	101.36	107.15	Open To Flow (1)
11	101.74	107.20	Shut-In(1)
56	155.68	107.26	End Shut-In(1)
56	105.33	107.27	Open To Flow (2)
76	108.08	107.48	Shut-In(2)
84	117.14	107.59	End Shut-In(2)
85	1709.66	107.61	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling Mud there Was a good show of	0.56
0.00	oil betw een the tools	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01172

DST#: 1

ATTN: Keith Reavis

Test Start: 2017.06.13 @ 16:58:00

Tool Information

Drill Pipe:	Length: 3491.00 ft	Diameter: 3.80 inches	Volume: 48.97 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:	95000.00 lb
			<u>Total Volume: 48.97 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial	58000.00 lb
Depth to Top Packer:	3508.00 ft			Final	58000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	52.92 ft				
Tool Length:	79.92 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			3486.00	
Hydraulic tool	5.00			3491.00	
Jars	5.00			3496.00	
Safety Joint	2.00			3498.00	
Top Packer	5.00			3503.00	
Packer	5.00			3508.00	27.00 Bottom Of Top Packer
Anchor	5.00			3513.00	
Change Over Sub	0.75			3513.75	
Drill Pipe	31.42			3545.17	
Change Over Sub	0.75			3545.92	
Anchor	10.00			3555.92	
Recorder	0.00	9139	Inside	3555.92	
Recorder	0.00	91716	Outside	3555.92	
Bullnose	5.00			3560.92	52.92 Anchor Tool

Total Tool Length: 79.92



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01172

DST#: 1

ATTN: Keith Reavis

Test Start: 2017.06.13 @ 16:58:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 43.00 sec/qt
Water Loss: 8.80 in³
Resistivity: ohm.m
Salinity: 5000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drilling Mud there Was a good show of	0.561
0.00	oil betw een the tools	0.000

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

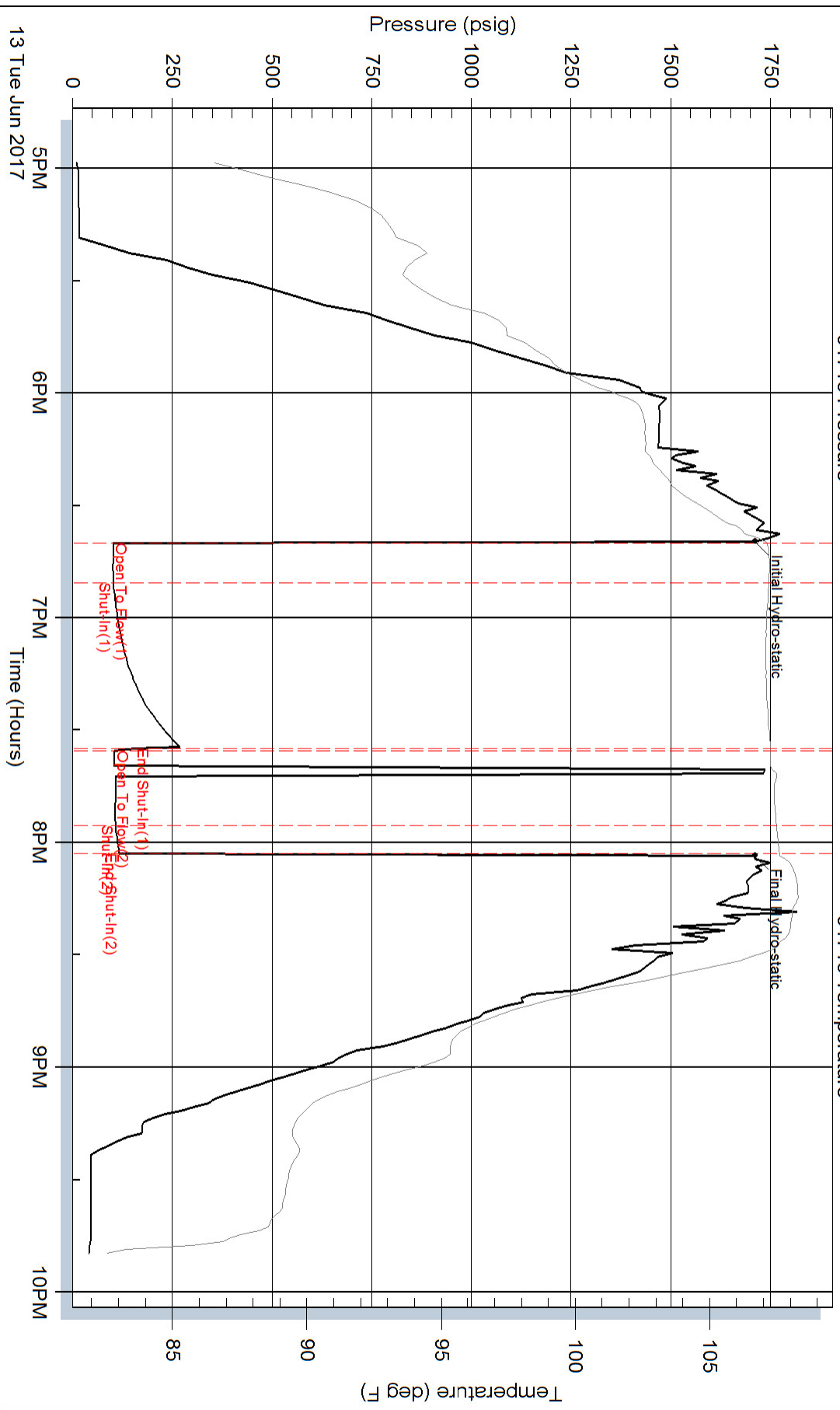
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Younger Energy Company**

9415 E. Harry Suite 403
Wichita.Kansas 67207-5083

ATTN: Keith Reavis

Drack #3

9-22s-13wStafford

Start Date: 2017.06.14 @ 14:22:00

End Date: 2017.06.14 @ 00:00:00

Job Ticket #: 01173 DST #: 2

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

Printed: 2017.06.14 @ 19:12:44



DRILL STEM TEST REPORT

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01173

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.06.14 @ 14:22:00

GENERAL INFORMATION:

Formation: **Simpson & Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:42:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: **3736.00 ft (KB) To 3778.00 ft (KB) (TVD)**

Reference Elevations: 1898.00 ft (KB)

Total Depth: 3778.00 ft (KB) (TVD)

1890.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: **91716** Outside

Press@RunDepth: 1057.55 psig @ 3773.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2017.06.14

End Date: 2017.06.14

Last Calib.: 2017.06.14

Start Time: 14:33:30

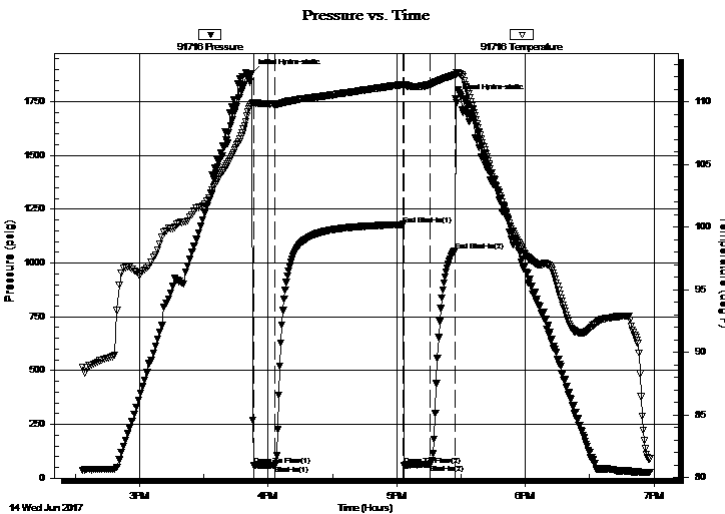
End Time: 18:58:00

Time On Btm: 2017.06.14 @ 15:52:30

Time Off Btm: 2017.06.14 @ 17:27:30

TEST COMMENT: 1st Opening 10 Minutes Very weak blow through out
1st Shut-In 60 Minutes no blow back
2nd Opening 13 Minutes no blkow flushed tool no help
2nd Shbut-In 10 Minutes No blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1879.68	109.85	Initial Hydro-static
1	59.06	109.92	Open To Flow (1)
11	61.25	109.80	Shut-In(1)
71	1178.97	111.38	End Shut-In(1)
71	58.03	111.38	Open To Flow (2)
83	64.88	111.37	Shut-In(2)
95	1057.55	112.13	End Shut-In(2)
95	1763.61	112.16	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)



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01173

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.06.14 @ 14:22:00

Tool Information

Drill Pipe:	Length: 3713.00 ft	Diameter: 3.80 inches	Volume: 52.08 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:	65000.00 lb
			<u>Total Volume: 52.08 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	3736.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	42.00 ft				
Tool Length:	69.00 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			3714.00	
Hydraulic tool	5.00			3719.00	
Jars	5.00			3724.00	
Safety Joint	2.00			3726.00	
Top Packer	5.00			3731.00	
Packer	5.00			3736.00	27.00 Bottom Of Top Packer
Anchor	37.00			3773.00	
Recorder	0.00	9119	Inside	3773.00	
Recorder	0.00	91716	Outside	3773.00	
Bullnose	5.00			3778.00	42.00 Anchor Tool
Total Tool Length:	69.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01173

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.06.14 @ 14:22:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 7.98 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

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

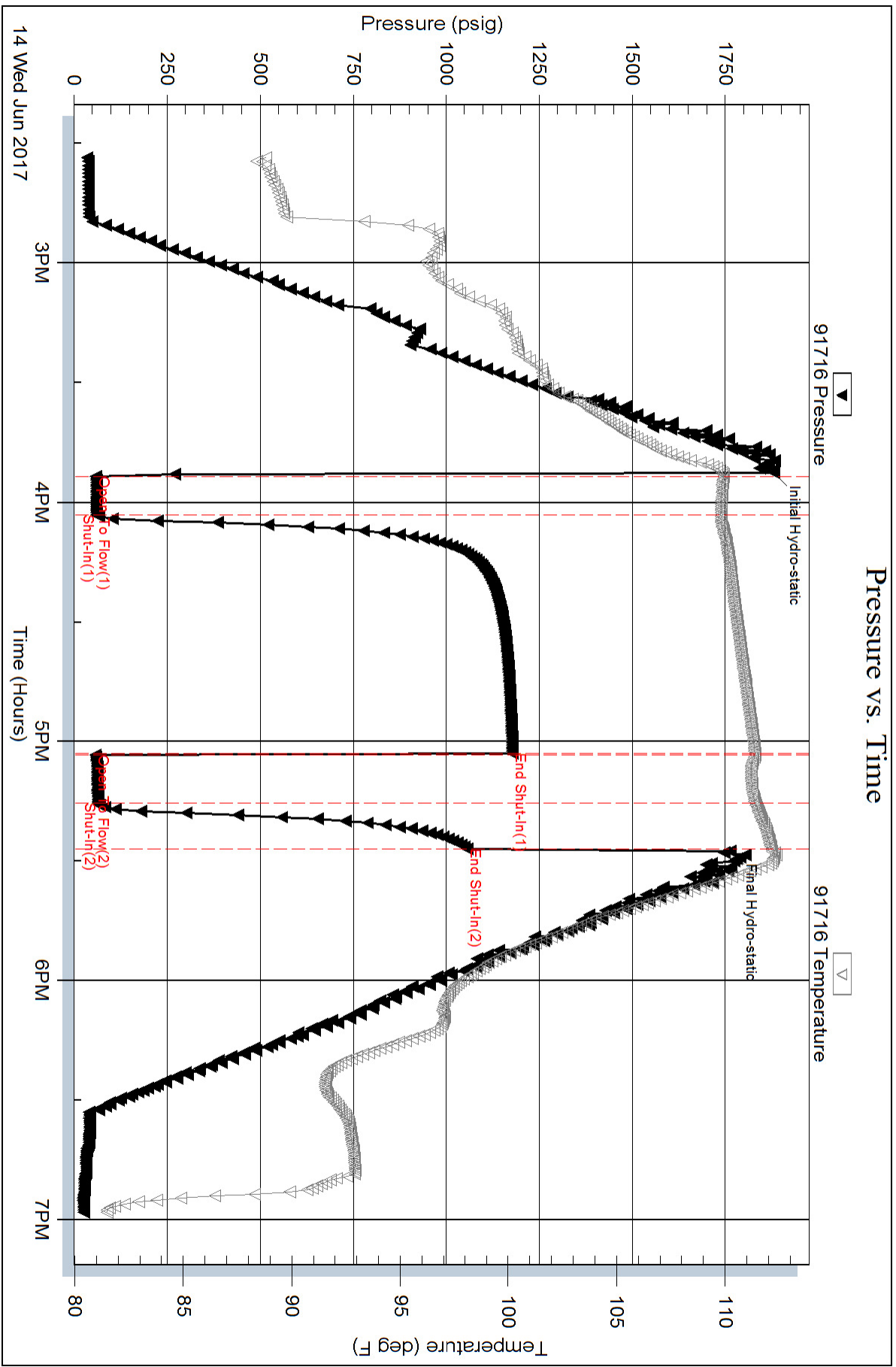
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Younger Energy Company**

9415 E. Harry Suite 403
Wichita.Kansas 67207-5083

ATTN: Keith Reavis

Drack #3

9-22s-13wStafford

Start Date: 2017.06.15 @ 01:18:00

End Date: 2017.06.15 @ 00:00:00

Job Ticket #: 01174 DST #: 3

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

Printed: 2017.06.15 @ 09:59:12



DRILL STEM TEST REPORT

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01174

DST#: 3

ATTN: Keith Reavis

Test Start: 2017.06.15 @ 01:18:00

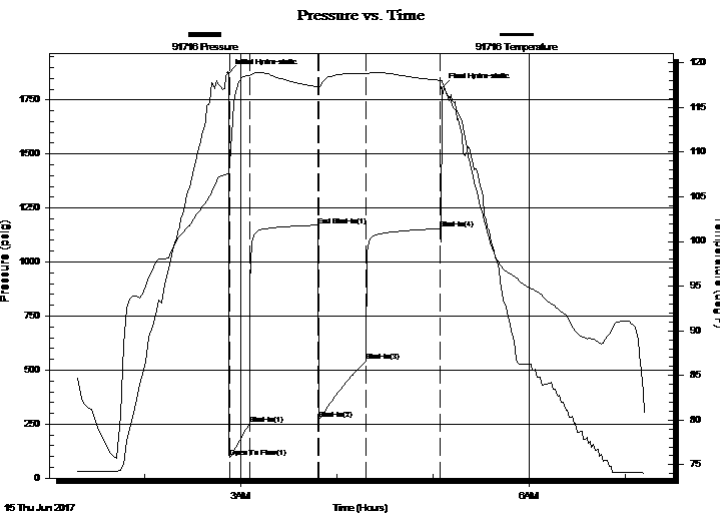
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:55:00
 Time Test Ended: 00:00:00
 Interval: **3769.00 ft (KB) To 3783.00 ft (KB) (TVD)**
 Total Depth: 3783.00 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: 1898.00 ft (KB)
 1890.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press@RunDepth: 1167.79 psig @ 3778.00 ft (KB) Capacity: 5000.00 psig
 Start Date: 2017.06.15 End Date: 2017.06.15 Last Calib.: 2017.06.15
 Start Time: 01:18:00 End Time: 07:12:29 Time On Btm: 2017.06.15 @ 02:52:30
 Time Off Btm: 2017.06.15 @ 05:05:30

TEST COMMENT: 1st opening 10 Minutes Strong blow built to the bottom of the bucket in 1 minute
 1st Shut-In 45 Minutes weak blow back
 2nd Opening 30 minutes Good blow built to the bottom of the bucket in 2 minutes
 2nd Shut-In 45 Minutes Weak blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1874.25	107.71	Initial Hydro-static
1	98.70	108.61	Open To Flow (1)
13	250.84	118.59	Shut-In(1)
56	1167.79	117.28	End Shut-In(1)
57	271.12	117.23	Shut-In(2)
86	542.93	118.77	Shut-In(3)
132	1153.98	118.02	Shut-In(4)
133	1805.73	118.03	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
300.00	Gas in the pipe	4.21
350.00	frothy gassy oil	4.91
120.00	Oil and gasd cut w ater	1.68
0.00	27%Gas 15% Oil 8% Mudnb 40% Water	0.00
120.00	Oil and gas cut w ater	1.68
0.00	17%Gas 15% Oil 8%Mud 60% Water	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01174

DST#: 3

ATTN: Keith Reavis

Test Start: 2017.06.15 @ 01:18:00

Tool Information

Drill Pipe:	Length: 3745.00 ft	Diameter: 3.80 inches	Volume: 52.53 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: 74000.00 lb
		Total Volume: 52.53 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 68000.00 lb
Depth to Top Packer:	3769.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	41.00 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			3747.00	
Hydraulic tool	5.00			3752.00	
Jars	5.00			3757.00	
Safety Joint	2.00			3759.00	
Top Packer	5.00			3764.00	
Packer	5.00			3769.00	27.00 Bottom Of Top Packer
Anchor	9.00			3778.00	
Recorder	0.00	9119	Inside	3778.00	
Recorder	0.00	91716	Outside	3778.00	
Bullnose	5.00			3783.00	14.00 Anchor Tool
Total Tool Length:	41.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy Company

9-22s-13wStafford

9415 E. Harry Suite 403
Wichita, Kansas 67207-5083

Drack #3

Job Ticket: 01174

DST#: 3

ATTN: Keith Reavis

Test Start: 2017.06.15 @ 01:18:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 48.00 sec/qt
Water Loss: 8.00 in³
Resistivity: ohm.m
Salinity: 4000.00 ppm
Filter Cake: 1.00 inches

Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

Oil API: deg API
Water Salinity: ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
300.00	Gas in the pipe	4.208
350.00	frothy gassy oil	4.910
120.00	Oil and gasd cut w ater	1.683
0.00	27%Gas 15% Oil 8% Mudnb 40% Water	0.000
120.00	Oil and gas cut w ater	1.683
0.00	17%Gas 15% Oil 8%Mud 60% Water	0.000
120.00	Oil Cut Water	1.683
0.00	10%Oil 8% Mud 82%Water	0.000
120.00	Water with A trace of oil	1.683
0.00	1%Oil 3%Mud 96%Water	0.000
120.00	Water with a traCE OF oil	1.683
0.00	3%Mud 97%Water	0.000
180.00	w ater with a trace of oil	2.525
0.00	1%Mud 99% Water	0.000
0.00	chlorides 19,000	0.000

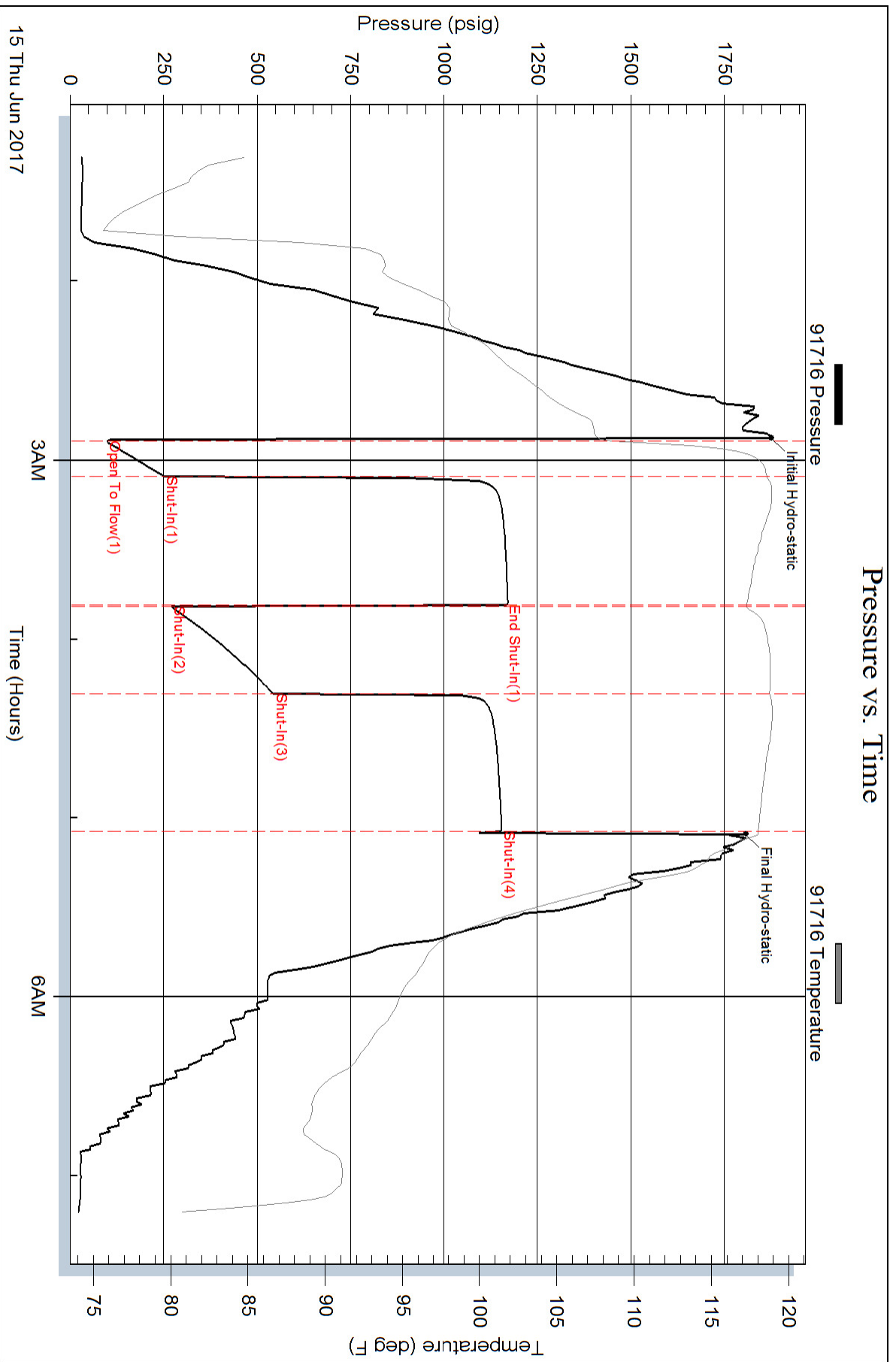
Total Length: 1430.00 ft Total Volume: 20.058 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time



GLOBAL OIL FIELD SERVICES, LLC

Invoice

24 S. Lincoln
RUSSELL, KS 67665

Date	Invoice #
6/12/2017	2975

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

RECEIVED
JUN 14 2017

P.O. No.	Terms	Project
DRACH#3	Due on receipt	

Quantity	Description	Rate	Amount
180	COMMON	16.00	2,880.00
120	POZ	9.50	1,140.00
10	CALCIUM	59.00	590.00
5	GEL	21.50	107.50
315	HANDLING	1.90	598.50
	BULK MILEAGE	315.00	315.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	750.00	750.00
10	PUMP TRUCK MILEAGE	7.00	70.00
10	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	30.00
1	8 5/8 WOOD PLUG	69.50	69.50
	30% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	Sales Tax	7.50%	0.00
<p>6-2017 Pay 6-15-2017.</p> <p>1180211 Cement 8-5/8" diameter 15g w/ 1300 lbs 60/40 poz, 270 cc, 270 gel, cement circulated to surface / ± 3</p>			
Thank you for your business.		Total	\$6,550.50

DR SW

DRACH#3
JIB
6/14/17

GLOBAL OIL FIELD SERVICES, LLC

2975

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>6-9-17</u>	SEC. <u>9</u>	TWP. <u>22</u>	RANGE <u>13</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>DRACH</u>	WELL #. <u>3</u>	LOCATION <u>Green Bend, KS</u>			COUNTY <u>STEELE</u>	STATE <u>KS</u>	<u>5:40pm</u>
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR <u>Duke Drilling Rig #8</u> TYPE OF JOB <u>SURFACE</u> HOLE SIZE <u>17 1/4</u> T.D. <u>421'</u> CASING SIZE <u>8 5/8</u> DEPTH <u>407.46' + 16' LT</u> TUBING SIZE _____ DEPTH _____ DRILL PIPE _____ DEPTH _____ TOOL _____ DEPTH _____ PRES. MAX _____ MINIMUM _____ MEAS. LINE _____ SHOE JOINT <u>25.66'</u> CEMENT LEFT IN CSG. _____ PERFS _____ DISPLACEMENT <u>25 BBL</u> EQUIPMENT _____	OWNER _____ CEMENT AMOUNT ORDERED <u>3005x 100/140 P22 38 cc 2 1/2 gal</u> COMMON _____ @ _____ POZMIX _____ @ _____ GEL _____ @ _____ CHLORIDE _____ @ _____ ASC _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ _____ @ _____ HANDLING _____ @ _____ MILEAGE _____ @ _____ TOTAL _____
--	--

REMARKS:
RUN IN 16 ITS @ 5/8 CASING W/ 16' LT,
PUT ON HEAD, CIRCULATE MUD, MIX 3005X,
WASH UP + DISPLACE W/ 25 BBL H2O, SHUT
IN @ 200PSI, CEMENT DID CIRCULATE

CHARGE TO: Younger
 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 Shane Downs
 SIGNATURE [Signature]

SERVICE

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

PLUG & FLOAT EQUIPMENT

_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
_____ @ _____	
TOTAL _____	

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

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

Invoice

RECEIVED
JUN 28 2017

Date	Invoice #
6/26/2017	2955

<p>Bill To</p> <p>YOUNGER ENERGY COMPANY 9415 E HARRY ST STE 403 BLDG 400 WICHITA,KS 67207</p>
--

P.O. No.	Terms	Project
DRACH#3	Due on receipt	

Quantity	Description	Rate	Amount
250	COMMON	16.00	4,000.00
22	SALT	16.00	352.00
5	GEL	21.50	107.50
1	METSO BEADS	16.95	16.95
278	HANDLING	1.90	528.20
	BULK MILEAGE	556.00	556.00
1	TRI-PLEX PUMP CHARGE FOR LONGSTRING	1,450.00	1,450.00
25	PUMP TRUCK MILEAGE	7.00	175.00
25	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	75.00
1	5 1/2 AFU FLOAT SHOE	325.00	325.00
10	5 1/2 TURBOLIZER	84.00	840.00
1	5 1/2 LD & BAFFLE	285.00	285.00
2	5 1/2 BASKET	215.00	430.00
	30% DISCOUNT IF PAID WITHIN 15 DAYS OF INVOICE		
	DISCOUNT THIS IS FOR TICKET NUMBER #2975. SORRY FOR THE TROUBLE IF YOU HAVE ANY QUESTIONS PLEASE CALL HEATH 785-324-2658. THANK YOU	-1,965.15	-1,965.15
	Sales Tax	7.50%	0.00

30% ~~9146.65~~
~~7442.70~~
6398.45
→ already paid

6-2017
Pay 6-30-2017

180311
Cement 5-1/2" production csg w/ 250 sxs common
10% salt 2% gel, used 30 sxs in mouse hole & 20 sxs in net hole / ± 3

Thank you for your business.	Total	\$7,175.50 6398.45
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JP

6/26/2017
2:18

GLOBAL OIL FIELD SERVICES, LLC

2955

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT:
Russell, KS

DATE <u>10-16-17</u>	SEC <u>9</u>	TWP. <u>22.5</u>	RANGE <u>13 W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>7:30 AM</u>
LEASE <u>Drach</u>	WELL #. <u>3</u>	LOCATION <u>Great Bend, KS</u>			COUNTY <u>STAFFORD</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR DUKE DRILLING RIG #8
 TYPE OF JOB PRODUCTION
 HOLE SIZE 7-1/8 T.D. 3951
 CASING SIZE 5 1/2 DEPTH 3843.98
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 44.94
 CEMENT LEFT IN CSG. 44.94
 PERFS
 DISPLACEMENT 83 PPM
 EQUIPMENT
 PUMP TRUCK CEMENTER BRAD
 # 417 HELPER JASON
 BULK TRUCK
 # 374 DRIVER TOM
 BULK TRUCK
 # DRIVER

OWNER
 CEMENT AMOUNT ORDERED 250 5X 10% salt 2% GAC
 COMMON @
 POZMIX @
 GEL @
 CHLORIDE @
 ASC @
METSO BEADS 1 @
 @
 @
 @
 @
 @
 @
 @
 @
 @
 HANDLING @
 MILEAGE @
 TOTAL

REMARKS:
Run in casing, circulate mud, run 500 gal METSO BEAD, RAT 30SK, MUDSE 20SK, RUN METSO MUD SWEEP, run 200 SKS, WASH UP, LAND PLUG, Pump Plug w/ 93 BR H2O, LAND PLUG @ 1500 PSI, RELEASE PRESS, DRG.

SERVICE
 DEPTH OF JOB
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE @
 MANIFOLD 5/2 HEAD + MAN @
 @
 @
 TOTAL

CHARGE TO: YOUNGER ENERGY Co
 STREET 9415 F HARRY ST. SUITE 403
 CITY WICHITA STATE KS ZIP 67207

PLUG & FLOAT EQUIPMENT
 BASKETS 2 @
 TORO CENTRALIZER 10 @
 AFU SHOE 1 @
 LD + PLUG 1 @
 @
 TOTAL

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 Shane Downs
 SIGNATURE [Signature]

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