

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	BAUER Y 3-27
Doc ID	1366943

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	BAUER Y 3-27
Doc ID	1366943

Tops

Name	Top	Datum
Queen Hill	3253	-1286
Heebner	3356	-1389
Douglas	3390	-1423
Brown Lime	3465	-1498
Lansing	3474	-1507
Base Kansas City	3710	-1743
Conglomerate	3784	-1817
Viola	3810	-1843
Simpson	3840	-1873
Simpson Lower Sand	3889	-1922
Arbuckle	3897	-1930



Scale 1:240 Imperial

Well Name: Bauer Y #3-27
Surface Location: Sec. 27 - T21S - R15W
Bottom Location:
API: 15-145-21825-0000
License Number: 30705
Spud Date: 7/10/2017 Time: 3:45 PM
Region: Pawnee County
Drilling Completed: 7/17/2017 Time: 1:00 PM
Surface Coordinates: 500' FSL & 2304' FEL
Bottom Hole Coordinates:
Ground Elevation: 1959.00ft
K.B. Elevation: 1967.00ft
Logged Interval: 3200.00ft To: 4000.00ft
Total Depth: 4000.00ft
Formation: Arbuckle
Drilling Fluid Type: Chemical/Fresh Water Gel

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: Bauer Y #3-27
Location: Sec. 27 - T21S - R15W
API: 15-145-21825-0000
Pool: Field: Hurray North
State: Kansas Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -98.957252
Latitude: 38.190553
N/S Co-ord: 500' FSL
E/W Co-ord: 2304' 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:
Rig #:
Rig Type: mud rotary

Spud Date: 7/10/2017
 TD Date: 7/17/2017
 Rig Release:

Time: 3:45 PM
 Time: 1:00 PM
 Time:

ELEVATIONS

K.B. Elevation: 1967.00ft Ground Elevation: 1959.00ft
 K.B. to Ground: 8.00ft

NOTES

Due to results of DST #1 and electrical log analysis, 5 1/2 inch production casing was set and cemented to further test the Simpson Sand.

A Bloodhound gas detection system operated by Bluestem Labs was employed during the drilling of this well. ROP and gas data were imported into this log. Gamma ray and caliper were imported from the electrical log suite. Electrical log tops were generally within 1 to 2 ft of the tops picked from drill time. These curves were not shifted to provide an exact match, but left as recorded in the field.

Respectfully submitted,
 Keith Reavis

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
07/14/2017	3075	geologist Keith Reavis on location @ 3251 ft, 1405 hrs, drilling ahead Queen Hill, Heebner, Toronto, Douglas
07/15/2017	3587	drilling ahead, Lansing, BKC, Conglomerate, Viola, run wiper trip @ 3938 ft, resume drilling, Simpson Shale
07/16/2017	3890	good show and gas kick in Simpson Sand, warrants test, TOH for DST #1, tight, Had to short trip, conduct and complete DST #1, successful test, TIH w/bit resume drilling, Arbuckle, show warrants test, TOH w/bit
07/17/2017	3906	TIH w/tools, conduct and complete DST #2, successful test, lay down tools, TIH w/bit, rathole to TD, 4000', cch, TOH for logs, conduct and complete logging operations, geologist off loc. @ 2010 hrs

well comparison sheet

DRILLING WELL					COMPARISON WELL				COMPARISON WELL			
Younger - Bauer #3-27					F & M Cossman #2				LD Davis - Krueger #1			
500' FSL & 2304' FEL					SE SW SE				SE SE SW			
Sec. 27-T21S-R15W					Sec. 27-T21S-R15W				Sec. 27-T21S-R15W			
1967 KB					1966 KB		Structural Relationship		1977 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Queen Hill	3256	-1289	3253	-1286	3256	-1290	1	4				
Heebner	3358	-1391	3356	-1389	3359	-1393	2	4	3368	-1391		2
Douglas	3392	-1425	3390	-1423	3392	-1426	1	3				
Brown Lime	3466	-1499	3465	-1498	3468	-1502	3	4	3478	-1501	2	3
Lansing	3477	-1510	3474	-1507	3478	-1512	2	5	3486	-1509	-1	2
Lansing G	3558	-1591	3560	-1593	3562	-1596	5	3				
Stark	3664	-1697	3664	-1697	3666	-1700	3	3				
Base KC	3711	-1744	3710	-1743	3712	-1746	2	3	3720	-1743	-1	
Conglomerate	3782	-1815	3784	-1817	3783	-1817	2					
Viola	3811	-1844	3810	-1843	3811	-1845	1	2	3816	-1839	-5	-4
Simpson	3839	-1872	3840	-1873	3844	-1878	6	5	3854	-1877	5	4
Simp upper sd					3862	-1896						
Simp lower sd	3888	-1921	3889	-1922	3893	-1927	6	5	3885	-1908	-13	-14
Arbuckle	3896	-1929	3897	-1930	3897	-1931	2	1	3909	-1932	3	2
Total Depth	4000	-2033	4002	-2035	3896	-1930	-103	-105	3910	-1933	-100	-102

Drill Stem Test #1

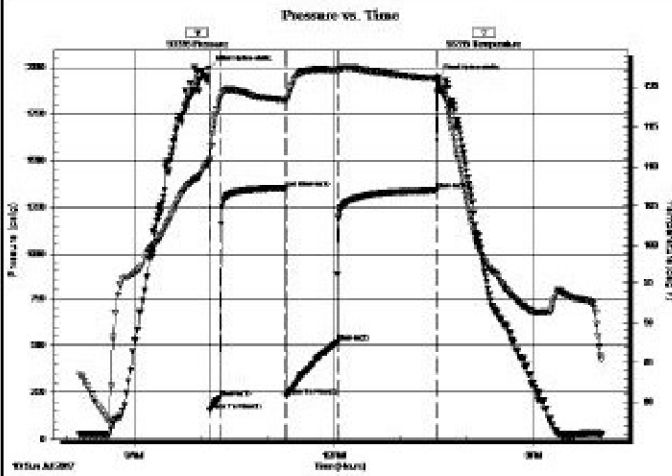
	DRILL STEM TEST REPORT
	Younger Energy Company 27-21s-15w Pawnee _____

GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:11:00
 Time Test Ended: 04:02:00
 Interval: **3710.00 ft (KB) To 3890.00 ft (KB) (TV D)**
 Total Depth: **3890.00 ft (KB) (TV D)**
 Hole Diameter: **7.88 inches** hole Condition: Fair
 Test Type: **Conventional Bottom Hole (initial)**
 Tester: **Gene Budig**
 Unit No: **1**
 Reference Elevations: **1976.00 ft (KB)**
1968.00 ft (CF)
 KB to GR/CF: **8.00 ft**

Serial #: 93335 Inside
 Press@RunDepth: **1352.79 psig @ 3885.04 ft (KB)** Capacity: **5000.00 psig**
 Start Date: **2017.07.16** End Date: **2017.07.16** Last Calb.: **2017.07.16**
 Start Time: **08:11:00** End Time: **16:00:30** Time On Btm: **2017.07.16 @ 10:07:30**
 Time Off Btm: **2017.07.16 @ 13:33:00**

TEST COMMENT: 1st Opening 10 Minutes good blow built to the bottom of a 5 gallon bucket in 5 minutes
 1st Shut-in 60 Minutes 1/2 inch blow back
 2nd Opening 45 Minutes Good blow built to the bottom of a 5 gallon bucket in 5 minutes
 2nd Shut-in 90 Minutes weak 1/4 inch blow back and died



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1991.29	110.53	Initial Hydro-static
1	153.11	110.58	Open To Flow (1)
10	221.02	118.48	Shut-in (1)
69	1352.79	118.35	End Shut-in (1)
70	229.58	118.34	Open To Flow (2)
116	518.23	122.18	Shut-in (2)
205	1340.87	121.06	Shut-in (3)
206	1945.38	120.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	feet of gas in the pipe	0.00
420.00	Clean Gassy Oil 15% Gas 85% Oil	5.89
120.00	muddy gassy oil	1.68
0.00	10% Gas 57% Oil 34% mud	0.00
180.00	Clean Gassy Oil	2.52
120.00	muddy gassy oil	1.68

Gas Rates

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

Drill Stem Test #1 total recovery

Length ft	Description	Volume bbl
600 0.00	feet of gas in the pipe	0.000
420.00	Clean Gassy Oil 15% Gas 85% Oil	5.891
120.00	muddy gassy oil	1.683
0.00	10% Gas 57% Oil 34% mud	0.000
180.00	Clean Gassy Oil	2.525
120.00	muddy gassy oil	1.683
0.00	10% Gas 48% oilk 42% Mud	0.000
120.00	Muddy Gassy Oil	1.683
0.00	10% Gas 50% Oil 40% Mud	0.000
60.00	Muddy Gassy Oil	0.842
0.00	10% Gas 74% Oil 16% Mud	0.000
0.00	Gravity 42 corrected	0.000

Drill Stem Test #2



DRILL STEM TEST REPORT

Younger Energy Company

27-21a-15w Pawnee

3415 E. Harry suite 403 bld 400
Wichita, Kansas 67207

Bauer Y #3-27

Job Ticket: 01177

DST#: 2

ATTN: Keith Feavis

Test Start: 2017.07.17 @ 12:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budj

Unit No: 1

Interval: 3899.00 ft (KB) To 3906.00 ft (KB) (TVD)

Total Depth: 3906.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches - hole Condition: Fair

Reference Elevations: 1976.00 ft (KB)

1968.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 91716 Inside

Press@RunDepth: 1355.29 psig @ 3901.00 ft (KB)

Start Date: 2017.07.17

End Date: 2017.07.17

Start Time: 12:18:00

End Time: 19:02:30

Capacity: 5000.00 psig

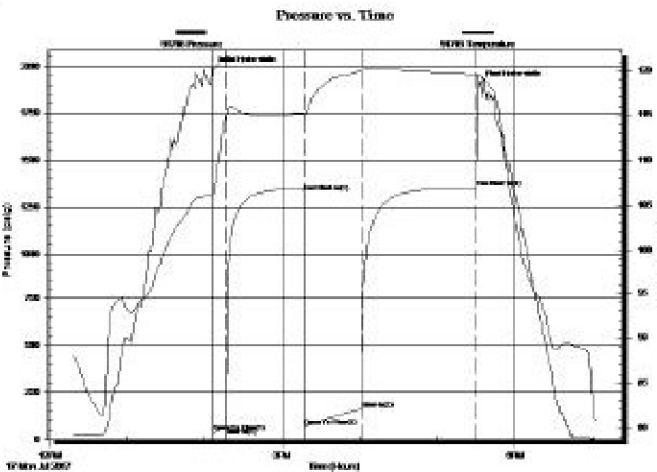
Last Calb.: 2017.07.17

Time On Btm: 2017.07.17 @ 14:06:00

Time Off Btm: 2017.07.17 @ 17:32:30

TEST COMMENT: 1st opening 10 minutes weak blow built to 6 inches into the water
1st Shut-in 60 minutes no blow back
2nd opening 45 minutes weak blow built to the bottom of the bucket in 28 minutes
2nd shut-in 90 minutes no blow back

PRESSURE SUMMARY



Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1994.91	106.15	Initial Hydro-static
1	36.53	106.16	Open To Flow (1)
10	62.95	114.97	Shut-in(1)
71	1328.79	115.19	End Shut-in(1)
71	66.00	115.11	Open To Flow(2)
116	161.62	119.99	Shut-in(2)
205	1355.29	119.55	End Shut-in(2)
207	1905.52	119.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	slightly muddy water	3.86
0.00	Chlorides 18000	0.00

Gas Rates

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

ROCK TYPES

Cht vari	Lmst fw>7	Carbon Sh	Ss
Dolprim	shale, grn	shale, red	
Lmst fw<7	shale, gry	Shcol	

ACCESSORIES

MINERAL	FOSSIL	STRINGER	TEXTURE
▲ Chert, dark	∩ Bioclastic or Fragmental	••• Sandstone	C Chalky
P Pyrite	F Fossils < 20%		L Lithogr
•• Sandy	∅ Oolite		

- Silty
- △ Chert White
- Mc Mica
- Pellets
- Oomoldic

OTHER SYMBOLS

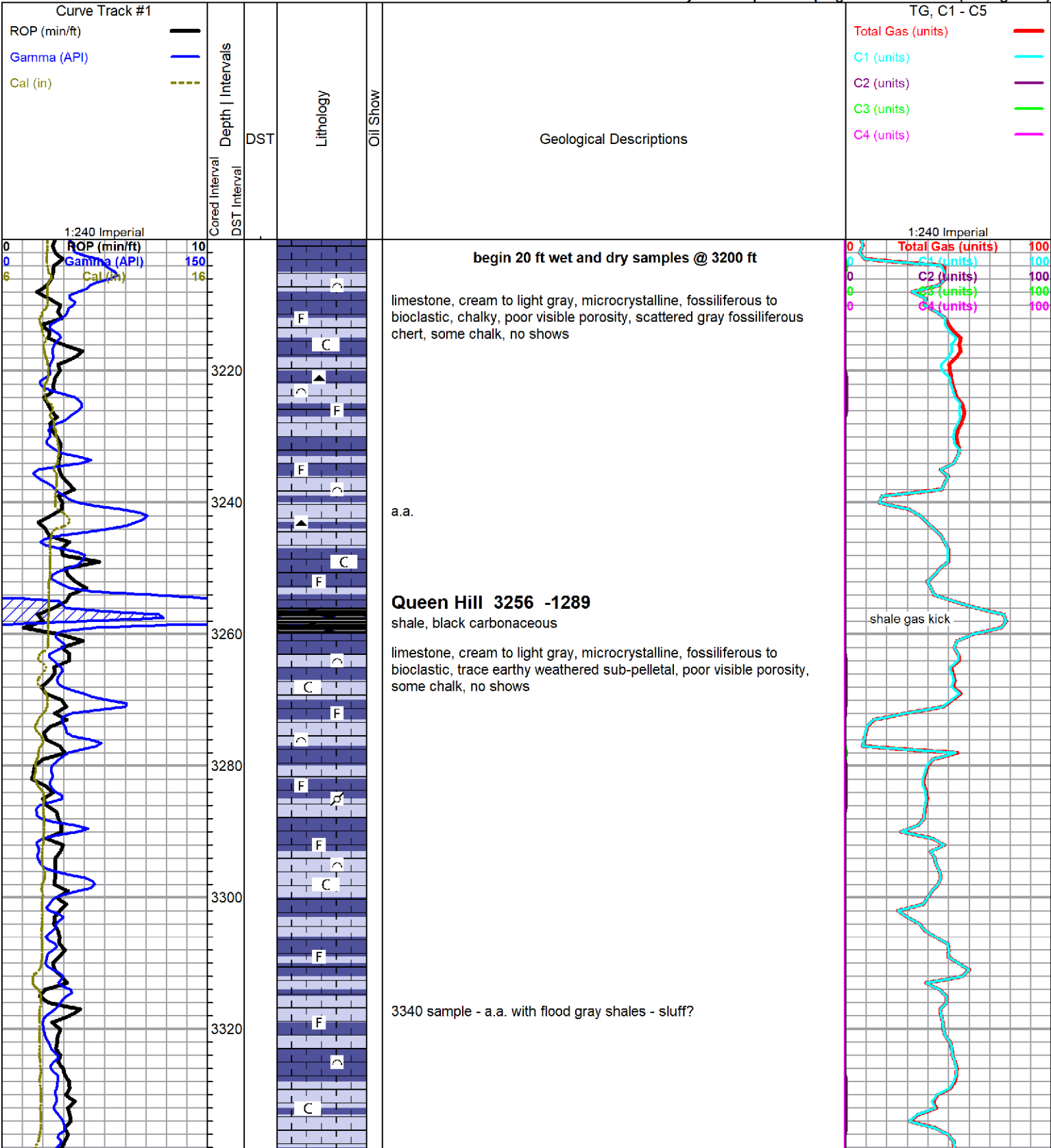
- Oil Show**

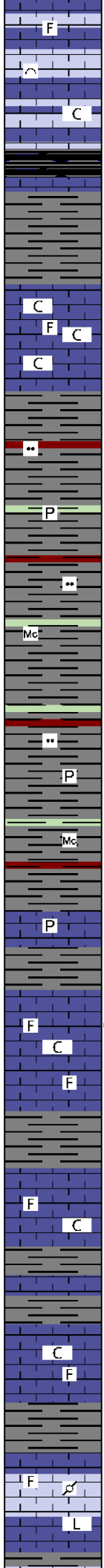
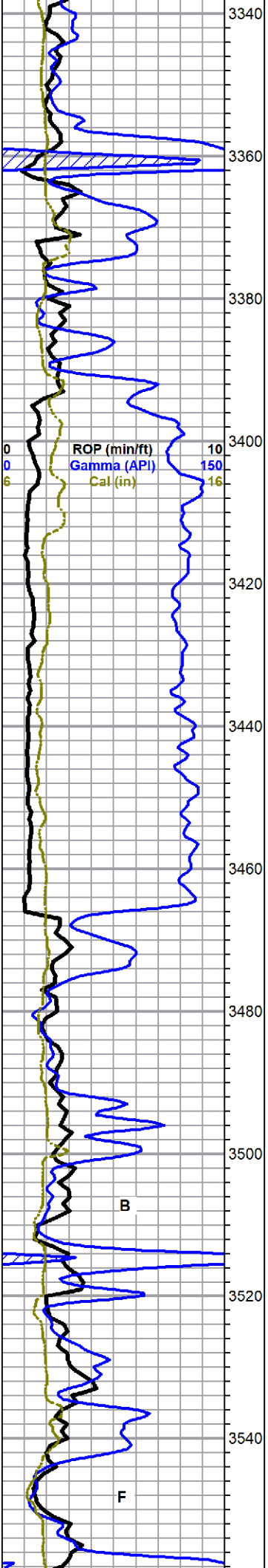
 - Good Show
 - Fair Show
 - Poor Show
 - Spotted or Trace
 - Questionable Stn
 - Dead Oil Stn
 - Fluorescence
 - * Gas

DST

 - DST Int
 - DST alt
 - Core
 - tail pipe

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





begin 10 ft samples @ 3360 ft, shales fall out, a.a. with some dark gray dense fossiliferous limestones

Heebner 3359 -1391

shale, black carbonaceous

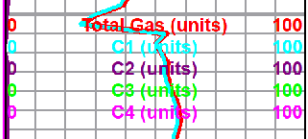
shale gas kick

Toronto

limestone, white to light gray, micro-cryptocrystalline, fossiliferous, very chalky, poor visible porosity, 30-40% chalk in samples, no shows

Douglas 3393 -1425

shale, variable gray, some silty, some micaceous, scattered red and green, some pyrite nodules



Brown Lime 3466 -1499

limestone, dark gray to brown, cryptocrystalline, dense, slightly fossiliferous, slightly pyritic, no shows

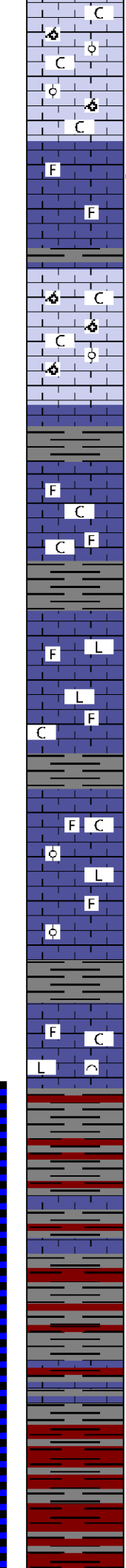
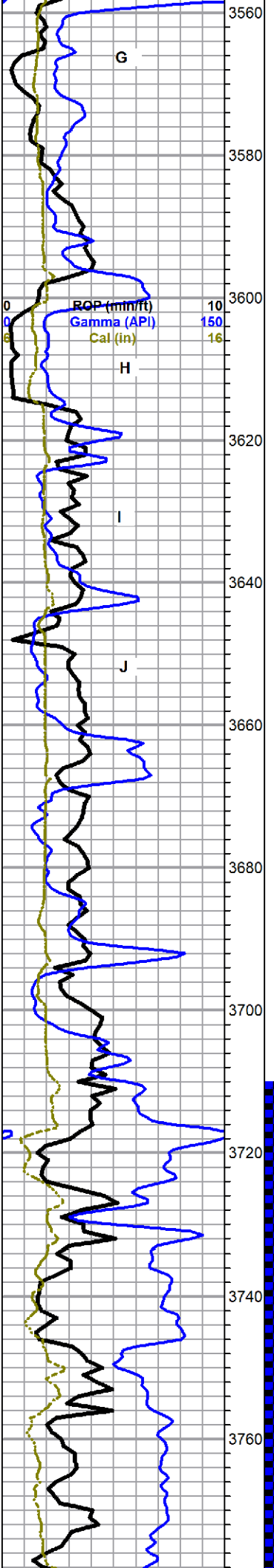
Lansing 3477 -1610

limestone, white to light gray, mostly cryptocrystalline, fossiliferous to lithographic, trace gray/brown arenaceous, one piece with stain and slight show oil on break, no other shows noted, no odor, some chalk

limestone, a.a., with abundant limestone, gray mottled, pelletal, some very chalky, poor visible porosity, no shows

limestone, white to light gray, cryptocrystalline, fossiliferous to sub-lithographic, chalky, some scattered mottled pelletal, no shows

limestone, mixed white to gray, fossiliferous, lithographic and chalky to dense pelletal, trace gray fossiliferous chert, no shows



limestone, light gray to gray, oolitic to sub-oolimoldic, weathered in part, poor overall porosity, flood chalk in samples, no shows

3600 and 3610 samples, a.a. with mixed fossiliferous and some gray recrystallized fossiliferous, some surface etching with oily clingy stain, poor porosity, no free oil, no odor in wet cup, poor fluorescence, excellent cut

limestone, light gray to gray, oomoldic, good large molds, good porosity, barren, abundant chalk

limestone, cream to mixed gray, microcrystalline, fossiliferous to sub-lithographic, abundant oomoldic from above, abundant chalk, no shows

limestone a.a., with abundant white cryptocrystalline lithographic, some slightly fossiliferous, moderate chalk, no shows

Stark Shale 3664 -1697

limestone, white to light gray, cryptocrystalline, fossiliferous to oolitic to sub-lithographic, chalky in part, no visible porosity, no shows, moderate chalk

limestone, white to gray, micro-cryptocrystalline, fossiliferous, bioclastic and sub-lithographic, dense to chalky, no shows

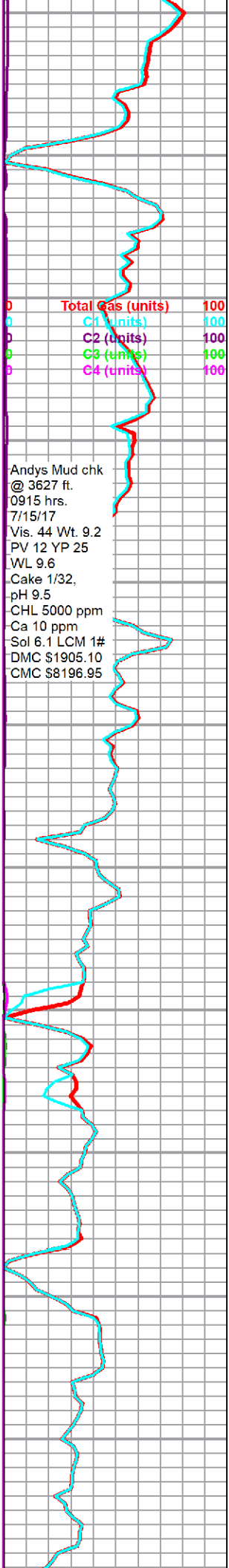
Base KC 3711 -1744

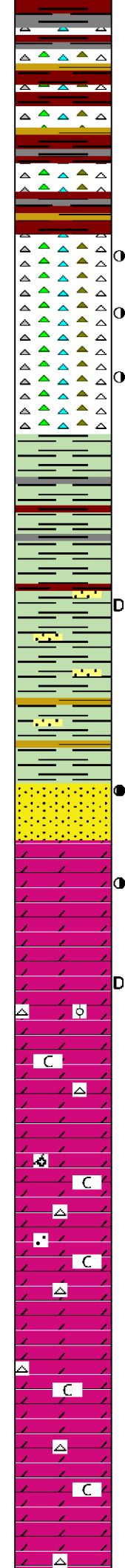
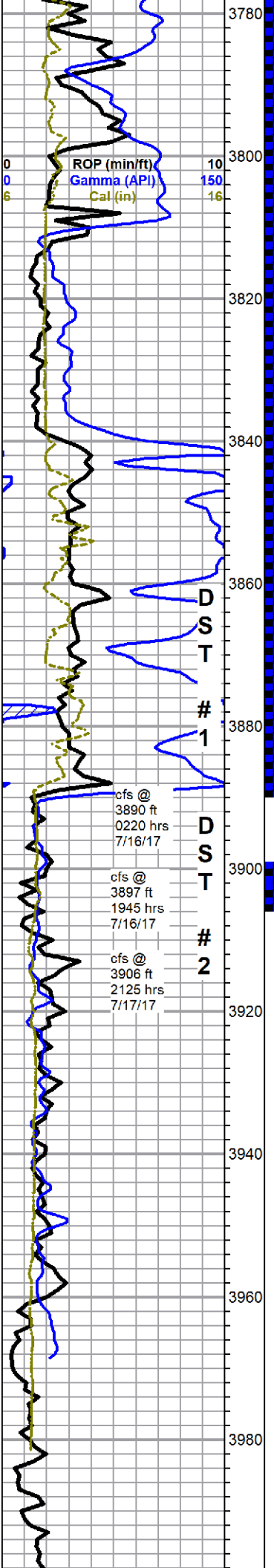
mixed gray shales, influx red shales, some soft, red wash in samples

carrying abundant limestone from above, with influx gray/green limestones, fossiliferous to lithographic, no shows, samples still carrying red wash

3770 & 3780 samples, flood soft gray and pink mushy shale, still abundant mixed limestones, some olive shale

shales a.a.





Conglomerate 3782 -1815

red shales, with gray and olive shale, mixed limestones and cherts, heavy red wash

Viola 3811 -1844

cherts, pink, yellow, white, tan, orange, mostly fresh, some tripolitic to slightly tripolitic, scattered spotty to fair staining, no show free oil, some tarry residue, no odor

short trip @ 3938 ft

Simpson 3939 -1872

shale, gray and maroon and green

a.a., trace sandstone, white, fine grain, well sorted, white cement, spotty dead stain

shale flood mostly waxy green and olive, still carrying some sand a.a. and some very dense well cemented barren sand

sandstone, quartz, very fine grain, well rounded, fair sorting, friable, good intergrain porosity, trace pyritic, light stain, fair show oil, strong odor, bright but spotty fluorescence, weak cut, good flash cut on break

Simpson Sand 3888 -1921

Simpson sand description above - 3897 cfs samples, abundant sand a.a., some with black gilsonitic infill, some dolomite, gray, cryptocrystalline, dense, no visible porosity, few specimens with trace stain

Arbuckle 3896 -1929

dolomite, light gray, cryptocrystalline, dense, no porosity or shows, with microcrystalline, sub-rhombic dense, and rhombic to sub-sucrosic, some intercrystalline and vuggy porosity, lightly stained to spotty black stain, slight show free oil in tray, few specimens gassy with show bleeding oil, fair odor, fair to good fluorescence, fair but slow cut

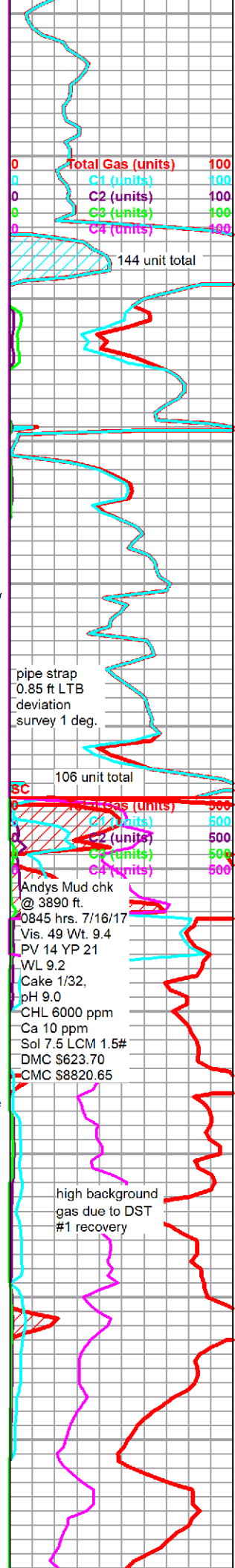
3920-30 samples, dolomite, light gray, cryptocrystalline, lithographic, micro - very fine crystalline, sub-rhombic, dense, recrystallized oolitic, some scattered dead black stain, no free oil, no odor

beginning 3940 sample, dolomite, light gray, mostly micro-very fine crystalline, rhombic to sub-rhombic to re-crystallized, poor overall visible porosity, abundant dense cryptocrystalline, some tan to light gray crystalline-sub-oomoldic mix, influx caliche and white and gray chert, some oolitic chert, no shows

a.a., increase in re-crystallized dolomite, trace sandy dolomite, increase caliche, no shows

dolomite, mixed white to light gray and tan, micro-very fine crystalline, rhombic to sub-rhombic, some scattered good intercrystalline porosity, some re-crystallized, abundant caliche, with gray and white cherts, no shows

Rotary TD 4000' @ 1300 hrs 7/17/17



0	ROP (min/ft)	10	4000
0	Gamma (API)	150	



ELI Wireline TD 4002'
complete logging operations 1950 hrs 7/17/17

0	Total Gas (units)	500
0	C1 (units)	500



DRILL STEM TEST REPORT

Prepared For: **Younger Energy Company**

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

ATTN: Keith Reavis

Baur Y #3-27

27-21s-15w Pawnee

Start Date: 2017.07.16 @ 08:15:00

End Date: 2017.07.16 @ 04:02:00

Job Ticket #: DST #: 1

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

Printed: 2017.07.16 @ 18:37:45



DRILL STEM TEST REPORT

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Baur Y #3-27

ATTN: Keith Reavis

Job Ticket: **DST#: 1**

Test Start: 2017.07.16 @ 08:15:00

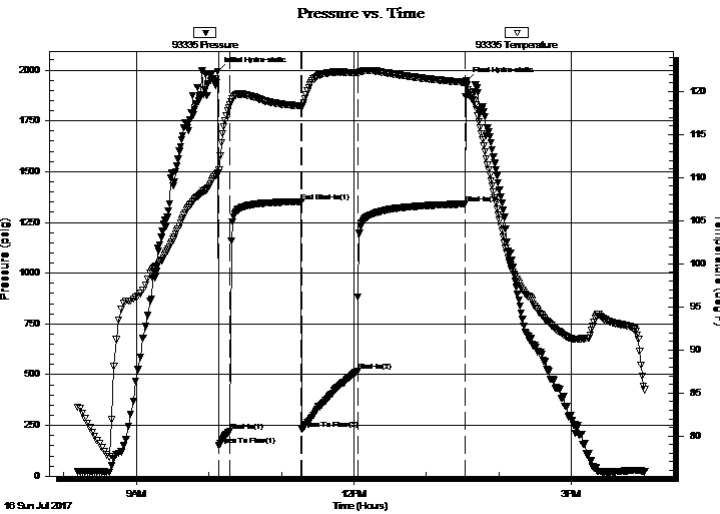
GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:11:00
 Time Test Ended: 04:02:00
 Interval: **3710.00 ft (KB) To 3890.00 ft (KB) (TVD)**
 Total Depth: 3890.00 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: 1976.00 ft (KB)
 1968.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 93335 Inside

Press@RunDepth: 1352.79 psig @ 3885.04 ft (KB) Capacity: 5000.00 psig
 Start Date: 2017.07.16 End Date: 2017.07.16 Last Calib.: 2017.07.16
 Start Time: 08:11:30 End Time: 16:00:30 Time On Btm: 2017.07.16 @ 10:07:30
 Time Off Btm: 2017.07.16 @ 13:33:00

TEST COMMENT: 1st Opening 10 Minutes good blow built to the bottom of a 5 gallon bucket in 5 minutes
 1st Shut-in 60 Minutes 1/2 inch blow back
 2nd Opening 45 Minutes Good blow built to the bottom of a 5 gallon bucket in 5 minutes
 2nd Shut-In 90 Minutes weak 1/4 inch blow back and died



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1991.29	110.53	Initial Hydro-static
1	153.11	110.58	Open To Flow (1)
10	221.02	118.48	Shut-In(1)
69	1352.79	118.35	End Shut-In(1)
70	229.58	118.34	Open To Flow (2)
116	518.23	122.18	Shut-In(2)
205	1340.87	121.06	Shut-In(3)
206	1945.38	120.97	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	feet of gas in the pipe	0.00
420.00	Clean Gassy Oil 15% Gas 85%Oil	5.89
120.00	muddy gassy oil	1.68
0.00	10%Gas 57%Oil 34%mud	0.00
180.00	Clean Gassy Oil	2.52
120.00	muddy gassy oil	1.68

Gas Rates

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



DRILL STEM TEST REPORT

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Baur Y #3-27

ATTN: Keith Reavis

Job Ticket: DST#: 1

Test Start: 2017.07.16 @ 08:15:00

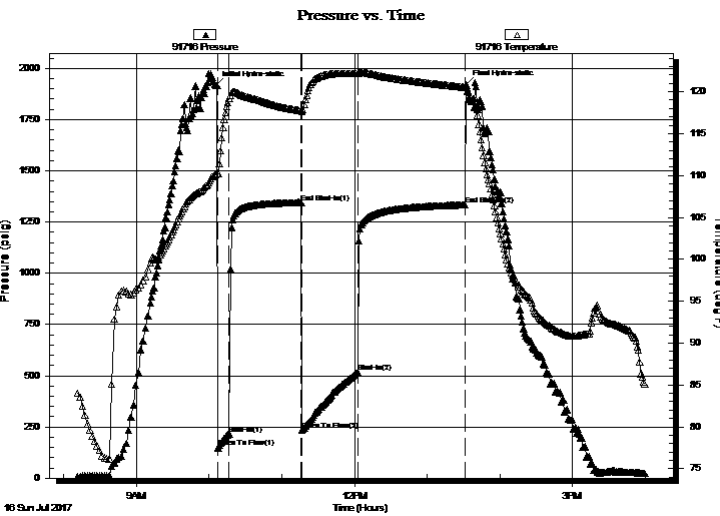
GENERAL INFORMATION:

Formation: **Simpson Sand**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:11:00
 Time Test Ended: 04:02:00
 Interval: **3710.00 ft (KB) To 3890.00 ft (KB) (TVD)**
 Total Depth: 3890.00 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: 1976.00 ft (KB)
 1968.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 91716 Outside

Press@RunDepth: 1334.35 psig @ 3885.04 ft (KB) Capacity: 5000.00 psig
 Start Date: 2017.07.16 End Date: 2017.07.16 Last Calib.: 2017.07.16
 Start Time: 08:11:30 End Time: 15:59:30 Time On Btm: 2017.07.16 @ 10:05:30
 Time Off Btm: 2017.07.16 @ 13:32:30

TEST COMMENT: 1st Opening 10 Minutes good blow built to the bottom of a 5 gallon bucket in 5 minutes
 1st Shut-in 60 Minutes 1/2 inch blow back
 2nd Opening 45 Minutes Good blow built to the bottom of a 5 gallon bucket in 5 minutes
 2nd Shut-In 90 Minutes weak 1/4 inch blow back and died



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1915.51	110.13	Initial Hydro-static
2	149.04	110.25	Open To Flow (1)
11	216.40	119.15	Shut-In(1)
71	1343.45	117.73	End Shut-In(1)
71	235.49	117.69	Open To Flow (2)
117	516.49	122.15	Shut-In(2)
206	1334.35	120.51	End Shut-In(2)
207	1918.35	120.46	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	feet of gas in the pipe	0.00
420.00	Clean Gassy Oil 15% Gas 85%Oil	5.89
120.00	muddy gassy oil	1.68
0.00	10%Gas 57%Oil 34%mud	0.00
180.00	Clean Gassy Oil	2.52
120.00	muddy gassy oil	1.68

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Baur Y #3-27

Job Ticket:

DST#: 1

ATTN: Keith Reavis

Test Start: 2017.07.16 @ 08:15:00

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: 76000.00 lb
			<u>Total Volume: 52.08 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	3710.00 ft			Final 68000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	180.04 ft			
Tool Length:	207.04 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			3688.00	
Hydraulic tool	5.00			3693.00	
Jars	5.00			3698.00	
Safety Joint	2.00			3700.00	
Top Packer	5.00			3705.00	
Packer	5.00			3710.00	27.00 Bottom Of Top Packer
Anchor	0.00			3710.00	
Change Over Sub	0.75			3710.75	
Drill Pipe	155.54			3866.29	
Change Over Sub	0.75			3867.04	
Anchor	18.00			3885.04	
Recorder	0.00	93335	Inside	3885.04	
Recorder	0.00	91716	Outside	3885.04	
Bullnose	5.00			3890.04	180.04 Anchor Tool

Total Tool Length: 207.04



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Baur Y #3-27

Job Ticket:

DST#: 1

ATTN: Keith Reavis

Test Start: 2017.07.16 @ 08:15:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 9.19 in³
Resistivity: ohm.m
Salinity: 6000.00 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
0.00	feet of gas in the pipe	0.000
420.00	Clean Gassy Oil 15% Gas 85%Oil	5.891
120.00	muddy gassy oil	1.683
0.00	10%Gas 57%Oil 34%mud	0.000
180.00	Clean Gassy Oil	2.525
120.00	muddy gassy oil	1.683
0.00	10%Gas 48%oilk 42%Mud	0.000
120.00	Muddy Gassy Oil	1.683
0.00	10%Gas 50%Oil 40%Mud	0.000
60.00	Muddy Gassy Oil	0.842
0.00	10%Gas 74%Oil 16%Mud	0.000
0.00	Gravity 42 corrected	0.000

Total Length: 1020.00 ft Total Volume: 14.307 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

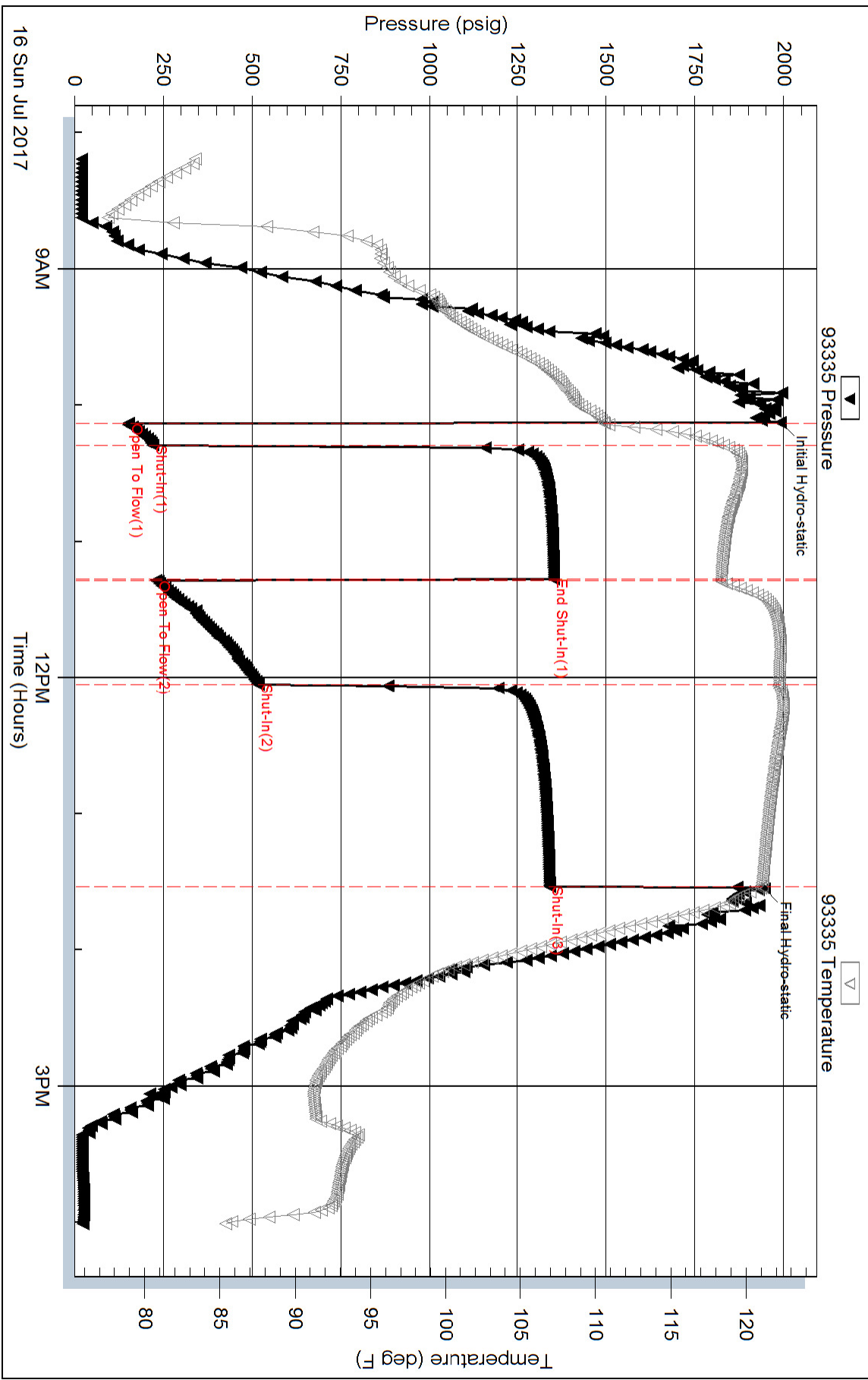
Serial #:

Laboratory Name:

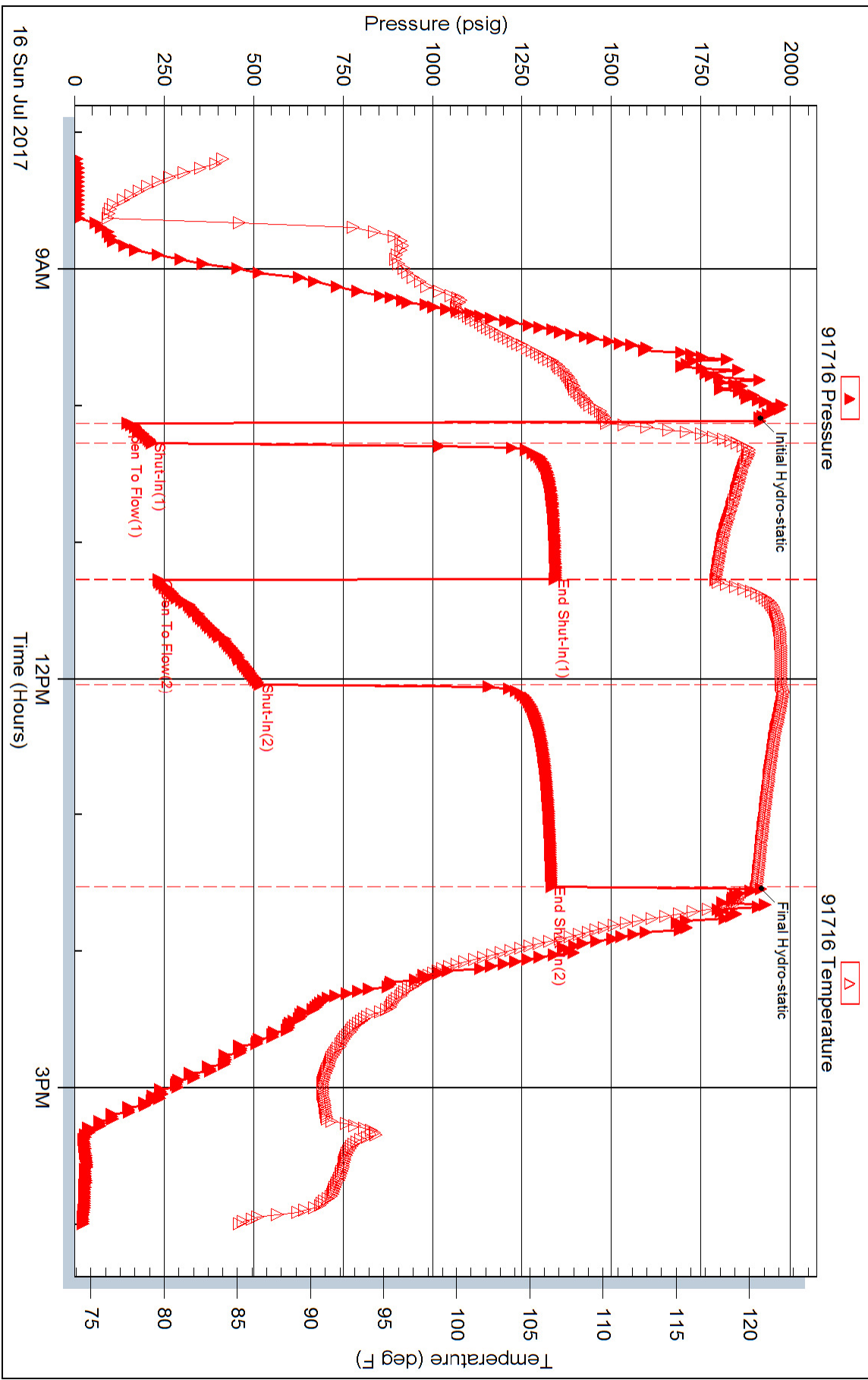
Laboratory Location:

Recovery Comments:

Pressure vs. Time



Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Younger Energy Company**

3415 E. Harry suite 403 bld400
Wichita, Kansas 67207

ATTN: Keith Reavis

Bauer Y #3-27

27-21s-15w Pawnee

Start Date: 2017.07.17 @ 12:18:00

End Date: 2017.07.17 @ 00:00:00

Job Ticket #: 01177 DST #: 2

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

Printed: 2017.07.17 @ 07:19:02



DRILL STEM TEST REPORT

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Bauer Y #3-27

Job Ticket: 01177

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.07.17 @ 12:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: 3899.00 ft (KB) To 3906.00 ft (KB) (TVD)

Reference Elevations: 1976.00 ft (KB)

Total Depth: 3906.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 91716 Inside

Press@RunDepth: 1355.29 psig @ 3901.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2017.07.17

End Date: 2017.07.17

Last Calib.: 2017.07.17

Start Time: 12:18:00

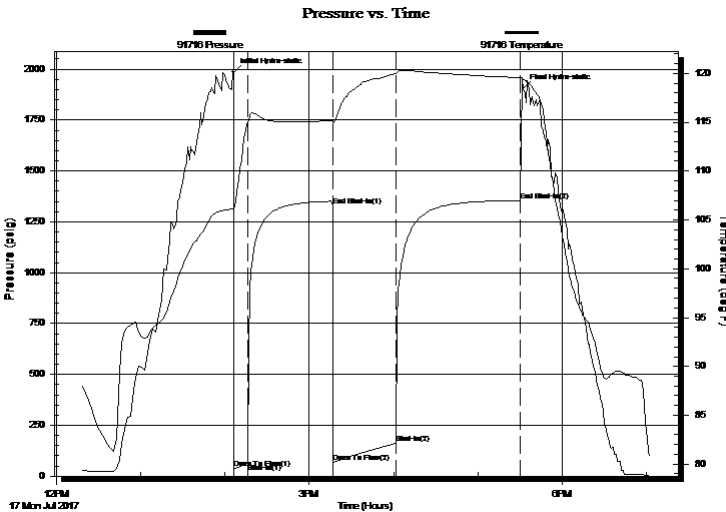
End Time: 19:02:30

Time On Btm: 2017.07.17 @ 14:06:00

Time Off Btm: 2017.07.17 @ 17:32:30

TEST COMMENT: 1st opening 10 minutes weak blow built to 6 inches into the water
1st Shut-In 60 Minutes no blow back
2nd opening 45 minutes weak blow built to the bottom of the bucket in 28 minutes
2nd shut in 90 minutes no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1984.91	106.15	Initial Hydro-static
1	36.53	106.16	Open To Flow (1)
10	62.95	114.97	Shut-In(1)
71	1328.79	115.19	End Shut-In(1)
71	66.00	115.11	Open To Flow (2)
116	161.62	119.99	Shut-In(2)
205	1355.29	119.55	End Shut-In(2)
207	1905.52	119.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	slightly muddy w ater	3.86
0.00	Chlorides 18000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Bauer Y #3-27

Job Ticket: 01177

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.07.17 @ 12:18:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00

Time Test Ended: 00:00:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Gene Budig

Unit No: 1

Interval: 3899.00 ft (KB) To 3906.00 ft (KB) (TVD)

Reference Elevations: 1976.00 ft (KB)

Total Depth: 3906.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 93335 Outside

Press@RunDepth: 1362.58 psig @ 3901.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2017.07.17

End Date: 2017.07.17

Last Calib.: 2017.07.17

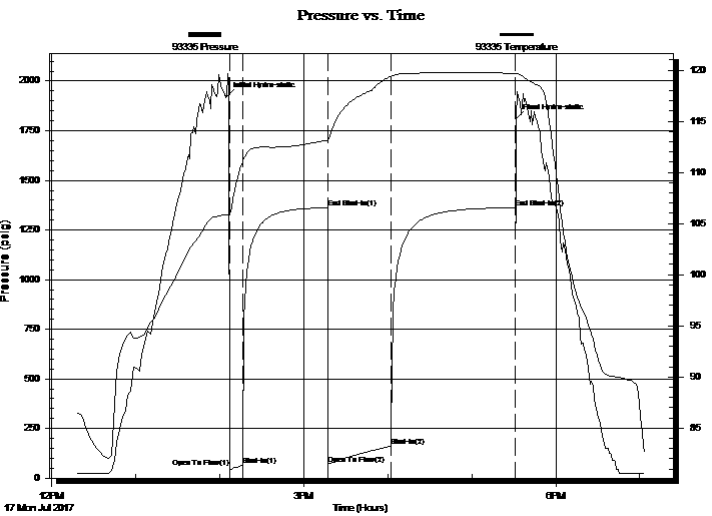
Start Time: 12:18:00

End Time: 19:03:29

Time On Btm: 2017.07.17 @ 14:05:00

Time Off Btm: 2017.07.17 @ 17:32:00

TEST COMMENT: 1st opening 10 minutes weak blow built to 6 inches into the water
1st Shut-In 60 Minutes no blow back
2nd opening 45 minutes weak blow built to the bottom of the bucket in 28 minutes
2nd shut in 90 minutes no blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1919.11	105.88	Initial Hydro-static
2	52.17	105.92	Open To Flow (1)
12	64.45	111.03	Shut-In(1)
72	1362.43	113.14	End Shut-In(1)
73	71.36	113.17	Open To Flow (2)
117	162.71	119.35	Shut-In(2)
206	1362.58	119.69	End Shut-In(2)
207	1812.57	119.69	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
275.00	slightly muddy w ater	3.86
0.00	Chlorides 18000	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Bauer Y #3-27

Job Ticket: 01177

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.07.17 @ 12:18:00

Tool Information

Drill Pipe:	Length: 3902.00 ft	Diameter: 3.80 inches	Volume: 54.73 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:	72000.00 lb
			<u>Total Volume: 54.73 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial	64000.00 lb
Depth to Top Packer:	3899.00 ft			Final	64000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	7.00 ft				
Tool Length:	29.00 ft				
Number of Packers:	1	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3882.00	
Hydraulic tool	5.00			3887.00	
Jars	5.00			3892.00	
Safety Joint	2.00			3894.00	
Packer	5.00			3899.00	22.00 Bottom Of Top Packer
Anchor	2.00			3901.00	
Recorder	0.00	91716	Inside	3901.00	
Recorder	0.00	93335	Outside	3901.00	
Bullnose	5.00			3906.00	7.00 Anchor Tool
Total Tool Length:	29.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Younger Energy Company

27-21s-15w Pawnee

3415 E.Harry suite 403 bld400
Wichita, Kansas 67207

Bauer Y #3-27

Job Ticket: 01177

DST#: 2

ATTN: Keith Reavis

Test Start: 2017.07.17 @ 12:18:00

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 10.00 lb/gal
Viscosity: 49.00 sec/qt
Water Loss: 8.20 in³
Resistivity: ohm.m
Salinity: 6000.00 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
275.00	slightly muddy water	3.858
0.00	Chlorides 18000	0.000

Total Length: 275.00 ft Total Volume: 3.858 bbl

Num Fluid Samples: 0

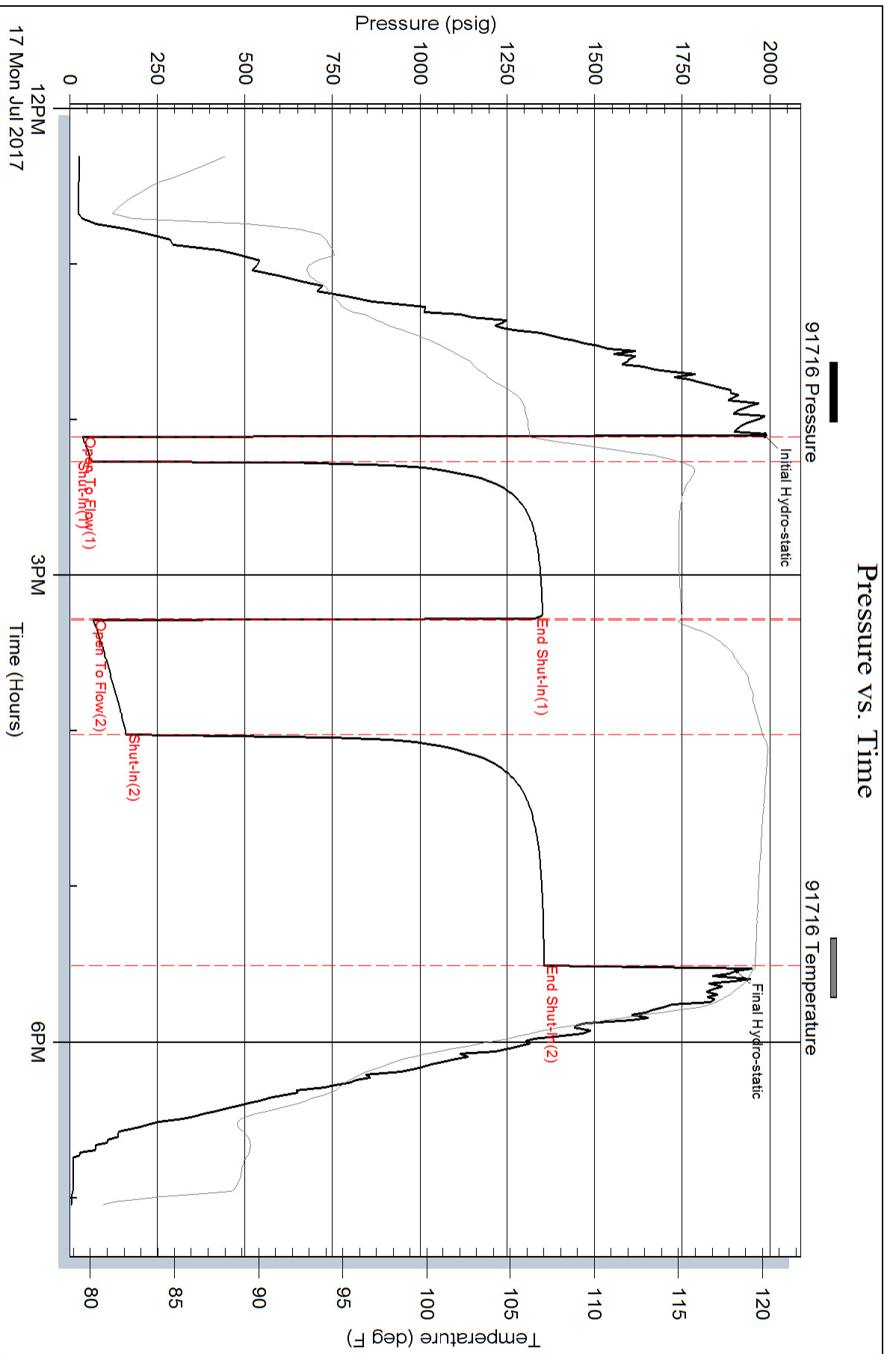
Num Gas Bombs: 0

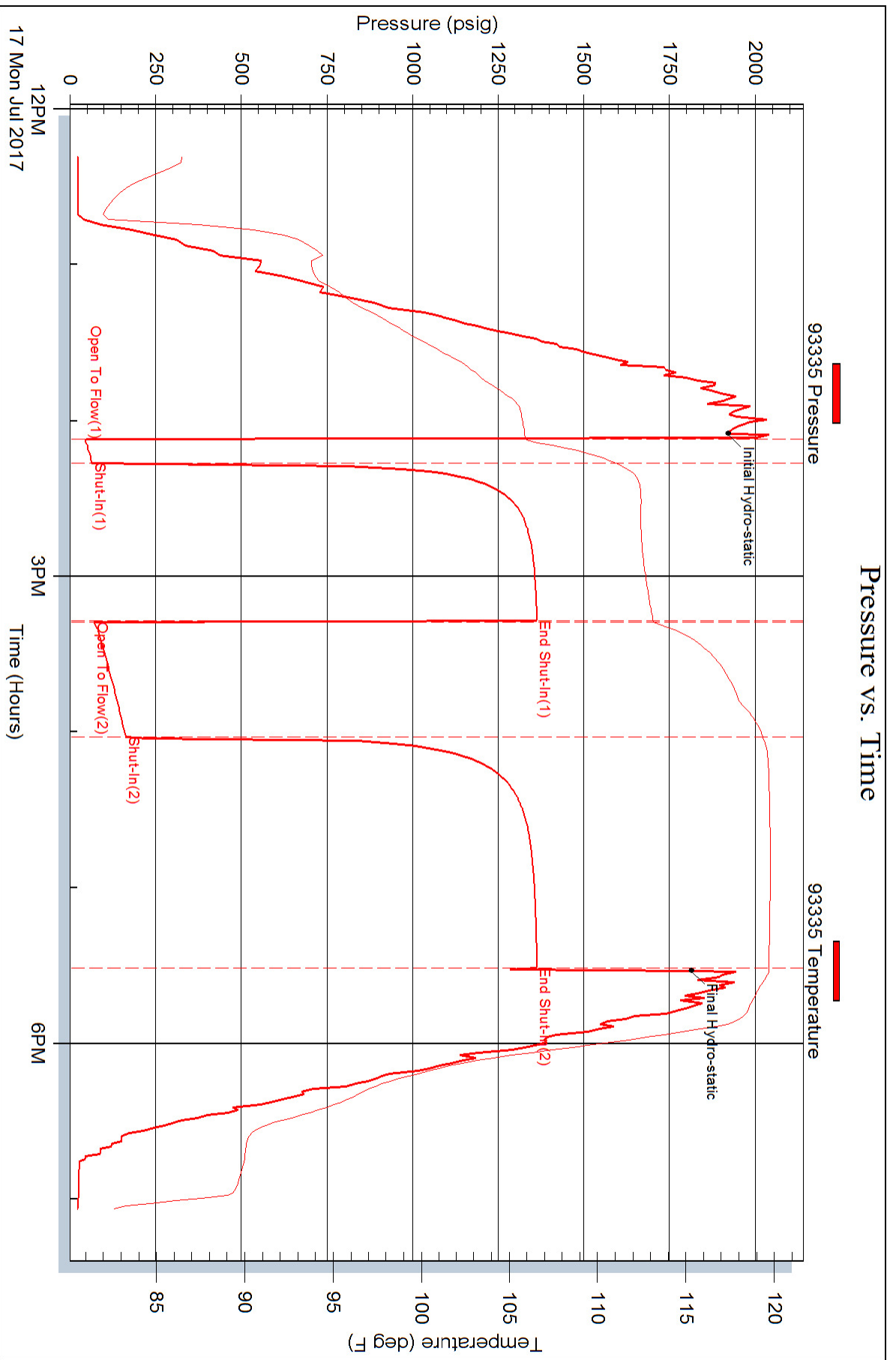
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED
JUL 14 2017

Invoice

Date	Invoice #
7/12/2017	3028

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

P.O. No.	Terms	Project
BAUR4 3-27	Due on receipt	

Quantity	Description	Rate	Amount
240	COMMON	16.00	3,840.00
160	POZ	9.50	1,520.00
7	GEL	21.50	150.50
13	CALCIUM	59.00	767.00
420	HANDLING	1.90	798.00
	BULK MILEAGE	486.00	486.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	750.00	750.00
20	PUMP TRUCK MILEAGE	7.00	140.00
20	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	60.00
1	8 5/8 RUBBER PLUG	165.00	165.00
	30% DISCOUNT IF PAID WITHIN 30 DAYS OF INVOICE		
	Sales Tax	7.50%	0.00
		-30%	(2,602.95)
			<u>6,073.55</u>
	cement 8-5/8" surface csg w/400 SXS 60/40 Poz mix, 2% gel, 3% cc, circulate to surface		
Thank you for your business.		Total	\$8,676.50

54

Baura #3
copy to De
7/18

GLOBAL OIL FIELD SERVICES, LLC

3028

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT: RUSSELL, KS

DATE <u>7-11-19</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>12:45 PM</u>
LEASE <u>BAUR 4</u>	WELL # <u>3-27</u>	LOCATION:			COUNTY <u>RAWLINS</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR <u>DUKE DRILLING RIG #2</u>	
TYPE OF JOB <u>SURFACE</u>	
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>9 5/8</u>	DEPTH <u>946.11'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX.	MINIMUM
MEAS. LINE	SHOE JOINT <u>41.77</u>
CEMENT LEFT IN CSG. <u>41.77</u>	
PERFS	
DISPLACEMENT <u>50 BBL</u>	EQUIPMENT
PUMP TRUCK # <u>409</u>	CEMENTER <u>BRAD</u>
	HELPER <u>COOY</u>
BULK TRUCK # <u>4181</u>	DRIVER <u>KRIS</u>
BULK TRUCK #	DRIVER

OWNER	
CEMENT AMOUNT ORDERED <u>400 SF 60/40 PPT 2% GFL 3% CC</u>	
COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	@
TOTAL	

REMARKS:
RUN IN 23 JTS, 8 5/8 CASING, CIRCULATE MUD,
MIX 400 SF 1 AUNKA PLUG, WASH UP &
DISPLACE W/ 50 BBL H2O, SHUT IN @ 200 PSI,
CEMENT D/O CIRCULATE

SERVICE	
DEPTH OF JOB	
PUMP TRUCK CHARGE	
EXTRA FOOTAGE	@
MILEAGE	@
MANIFOLD <u>8 5/8 MAN</u>	@
<u>NO BUFFLE PLATE</u>	@
<u>USF</u>	@
TOTAL	

CHARGE TO: YOUNGER ENERGY
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT	
	@
	@
	@
	@
	@
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 Dion Vasquez
 SIGNATURE Dion Vasquez

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

GLOBAL OIL FIELD SERVICES, LLC

24 S. Lincoln
RUSSELL, KS 67665

RECEIVED
JUL 21 2017

Invoice

Date	Invoice #
7/18/2017	3033

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

P.O. No.	Terms	Project
BAUER 4#3-21	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
277	HANDLING	1.90	526.30
	BULK MILEAGE	692.50	692.50
1	TRI-PLEX PUMP CHARGE FOR LONGSTRING	1,450.00	1,450.00
35	PUMP TRUCK MILEAGE	7.00	245.00
35	PICKUP FOR TRANSPORTATION OF GOODS TO JOB SITE	3.00	105.00
1	5 1/2 AFU FLOAT SHOE	325.00	325.00
1	5 1/2 LD & BAFFLE	285.00	285.00
10	5 1/2 TURBOLIZER	84.00	840.00
1	5 1/2 BASKET	215.00	215.00
50	METSO BEADS	2.00	100.00
20	KCL WATER	12.50	250.00
	DEDUCT 20% FROM TOTAL IF PAID WITHIN 15 DAYS OF INVOICE PAWNEE CO	8.50%	0.00
Thank you for your business.		Total	\$9,493.30

*Bauer 215
copy to Dom
JIB*
- 1898.66
7594.64

GLOBAL OIL FIELD SERVICES, LLC

3033

REMIT TO 24 S. Lincoln
Russell, KS 67665

SERVICE POINT:

Russell, KS

DATE <u>7-18-17</u>	SEC. <u>27</u>	TWP. <u>21</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Baker #</u>	WELL #. <u>3-27</u>		LOCATION <u>Radium, KS</u>			COUNTY <u>Pawnee</u>	STATE <u>KS</u>
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR Duke Drilling Rig #2

TYPE OF JOB Production Pipe

HOLE SIZE 7 7/8" T.D. 4,000'

CASING SIZE 5 1/2" DEPTH 3,090'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH 315'

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT LS

CEMENT LEFT IN CSG. 25'

PERFS

DISPLACEMENT 92 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Brad

4117 HELPER Jason

BULK TRUCK

4177 DRIVER Kris

BULK TRUCK

DRIVER

OWNER

CEMENT

AMOUNT ORDERED 250SX com 10% salt 2% off

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:

Run in 90 JTS, 5.5" PIG, CIRCULATE MUD,
MIX 200SX, WASHUP, LAMEN PLUG PUMP
PLUS W/ 92 BBL H2O, LAND PLUG @ 1500 PSI,
PREPARE DRY PLUGS 20SX, MUDLINE 20SX

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

CHARGE TO: Yunus 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 Dion Vasquez

SIGNATURE Dion Vasquez

PLUG & FLOAT EQUIPMENT

1 AFU SHOE @

1 LD COLLAR + PLUG @

10 TURBO @

1 BASKET @

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS