

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	Griffin, Charles N.
Well Name	VIOLA 1B
Doc ID	1485857

All Electric Logs Run

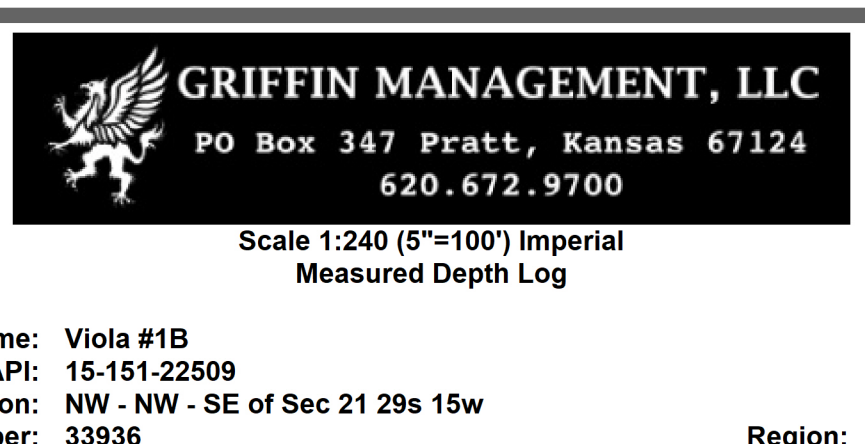
CNL/CDL
Dual Induction
Micro
Sonic

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	VIOLA 1B
Doc ID	1485857

Tops

Name	Top	Datum
Heebner	3932	-1915
Brown Lime	4093	-2076
Lansing	4108	-2091
Stark	4409	-2392
B/KC	4495	-2478
Pawnee	4557	-2540
Cherokee	4588	-2571
Viola	4713	-2696
Simpson Shale	4801	-2784
Simpson Sand	4904	-2887





Scale 1:240 (5"=100') Imperial  
Measured Depth Log

Well Name: Viola #1B  
 API: 15-151-22509  
 Location: NW - NW - SE of Sec 21 29s 15w  
 License Number: 33936  
 Spud Date: 11/30/2019  
 Surface Coordinates: Lat: 37.505711 Long: -98.965624  
 Bottom Hole Vertical Wellbore, 2 Degree Dev @ RTD.  
 Ground Elevation (ft): 2006' K.B. Elevation (ft): 2017'  
 Logged Interval (ft): 3600' (Arbuckle) @ RTD  
 Formation: Ordovician  
 Type of Drilling Fluid: Mud Co. Chemical Dispac. Displaced Mud @ 2722'  
 Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Griffin Management, LLC  
 Address: P.O. Box 347  
 Pratt, KS 67124-0347

GEOLOGIST

Name: Eli J. Felts  
 Company: Griffin Management, LLC  
 Address: ejfelts47@gmail.com  
 316.204.5059

Formation Tops

SAMPLE TOPS		LOG TOPS	
HEEBNER	3831 (-1914)	HEEBNER	3832 (-1915)
BROWN LINE	4092 (-2075)	BROWN LINE	4093 (-2076)
LANSING	4107 (-2090)	LANSING	4108 (-2091)
STARK	4408 (-2391)	STARK	4409 (-2392)
BKC	4492 (-2475)	BKC	4493 (-2476)
PAWNEE	4557 (-2540)	PAWNEE	4558 (-2541)
CHEROKEE	4586 (-2569)	CHEROKEE	4587 (-2570)
VIOLA	4700 (-2683)	VIOLA	4701 (-2684)
SIMP SHALE	4798 (-2781)	SIMP SHALE	4799 (-2782)
SIMP SAND	4810 (-2793)	SIMP SAND	4811 (-2794)
RTD	4900 (-2894)	LTD	4901 (-2895)

Drilling Report

Sterling Drilling, Rig #4  
 Tool Pusher: Lanny Saloga  
 Cell # 620.388.4193  
 TookeDaq System Used for ROP & Gas Data

7 AM Report

11/27/19 MIRU. SDFH (Thanksgiving)  
 11/30/19 Spud @ 11:30 AM  
 12/1/19 Drilling Cement @ 268'  
 12/2/19 Drilling @ 2180'  
 12/3/19 Drilling @ 3430'  
 12/4/19 CFS @ 4610'. RTD @ 4:00 PM. CTCH 60". Short trip up to 2000'. CTCH for Logs 90". Drop Survey. TOOH for logs. ELI on Location @ 10:30 PM. Logged from -12 AM - 5:30 AM.  
 12/5/19 TIH w/ DP to LDDP  
 Ran Casing, Plug Down @ 7:45 PM  
 Release Rig @ 9:45 PM

Problems

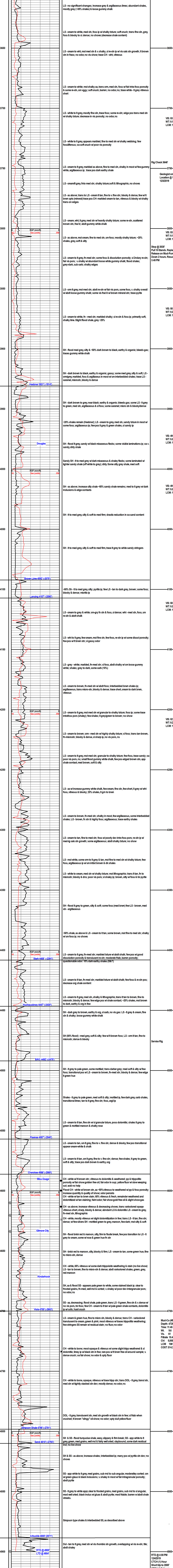
None

Pipe Setting

12.25" (23#) Surface @ 265' KB (Quality Cement Ticket #7281)  
 4.5" (10.5#) Production @ 4891' KB (Quality Cement Ticket #7288)

ROCK TYPES

Anhy	Congl	Granite	Salt	Slstst
Brec	Dol-cream	Lmst tan	Shale 2	Ss
Cht	Dol	Lmst	Shale grey	Till
Clyst	Gyp	Meta	Shale 1	
Coal	Igne	Mrist	Schol	
	Granite 2	Quartz	Shgy	



RTD @ 4:00 PM  
 12/4/2019  
 CTCH (1) Hour  
 Short trip to 2000'  
 CTCH (1.5) Hours  
 Den Survey @ 2 Degrees  
 TOOH For Logs

RTD @ 4900'  
 LTD @ 4904'

ELI Welte Ran the following:  
 >CNL/CCL w/ PE  
 >Dual Induction  
 >Micro  
 >Sonic

GEO OFF LOCATION @ 8 AM, 12/6/2019

# QUALITY WELL SERVICE, INC.

7281  
 2100  
 6-2206

Federal Tax I.D. # 481187368

Home Office 30060 N. Hwy 281, Pratt, KS 67124

Mailing Address P.O. Box 468

Office 620-727-3410  
 Fax 620-672-3663

Rich's Cell 620-727-3409  
 Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11-30-19	21	29S	15W	PRATT	Ks		
Lease Viola	Well No. #1 B	Location PRATT, Ks W to 140th rd S to 100th rd					
Contractor STERLING DRILL RIG #4	Owner MLE 1/2 N into						
Type Job SURFACE	To Quality Well Service, 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. 268'	Charge To Griffin					
Csg. 8 7/8	Depth 268'	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.	Shoe Joint 20	Cement Amount Ordered 250 sx COMMON					
Meas Line	Displace 15.75	2.1 FEL 3.1 CC 1/2" PS					
<b>EQUIPMENT</b>							
Pumptrk 8 No.		Common 250 sx					
Bulktrk 15 No.		Poz. Mix					
Bulktrk No.		Gel. 470 #					
Pickup No.		Calcium 705 #					
<b>JOB SERVICES &amp; REMARKS</b>							
Rat Hole	Hulls						
Mouse Hole	Salt						
Centralizers	Flowseal 125 #						
Baskets	Kol-Seal						
D/V or Port Collar	Mud CLR 48						
Don to this 8 7/8 + CSG SET @ 268	CFL-117 or CD110 CAF 38						
START CSG CSG on Bottom Hook up to CSG	Sand						
BREAK CIR W/ RIG	Handling 265						
START Pumping 10 Bbls H <sub>2</sub> O	Mileage 25 / 16625						
START Mix: Pump 250g (Common)	85/3 <b>FLOAT EQUIPMENT</b>						
2.1 FEL 3.1 CC 1/2" PS @ 14.8 #/gal	Guide-Shoe 1 EA HEAN! manifold.						
SHOT DOWN	Centralizer 1 EA WOODEN PLUG.						
RELEASE 8 7/8 WOODEN PLUG	Baskets						
START DISJ	AFU Inserts						
PLUG DOWN 15.7 Bbl total	Float Shoe						
Close Valve on CSG 150 #	Latch Down						
GOOD CIR THRU JOB	SERVICE SONS 1 EA						
CIR CUT TO BIT	LNU 25'						
THANK YOU	Pumptrk Charge SURFACE						
PLEASE CALL AGAIN	Mileage 50						
TOO JIMMY JAKE							
X Signature Jimmy J. Jake							
	Tax						
	Discount						
	Total Charge						

# QUALITY WELL SERVICE, INC.

*Inv  
C-2209* 7288

Federal Tax I.D. # 481187368

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Mailing Address P.O. Box 468

Office 620-727-3410  
Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-5-19	21	29S	15W	PRATT	KS		
Lease Viola	Well No. #1 B		Location PRATT, Ks W to 140 <sup>th</sup> S to 100 <sup>th</sup> 1 1/2 E				
Contractor STEELING DELTA REG #4				Owner N into			
Type Job 4 1/2 L.S.				To Quality Well Service, 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 7 7/8	T.D. 4900						
Csg. 4 1/2 10.5	Depth 4891			Charge To GRIFFIN			
Tbg. Size	Depth			Street			
Tool	Depth			City State			
Cement Left in Csg.	Shoe Joint 10.46			The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line	Displace 77.6			Cement Amount Ordered 2005x PRO C 2% GEL 10% SAH			
<b>EQUIPMENT</b>				5 7/8 Kolseal .6% C-16A .25% C4IP 1/4" PS			
Pumptrk 8 No.				Common 2005x.			
Bulktrk 10 No.				Poz. Mix			
Bulktrk No.				Gel. 376 #.			
Pickup No.				Calcium			
<b>JOB SERVICES &amp; REMARKS</b>				Hulls			
Rat Hole 305x				Salt 1101 #.			
Mouse Hole 205x				Flowseal 50 #.			
Centralizers 4-5-6-7-8-9				Kol-Seal 1000 #.			
Baskets				Mud CLR 48 500 GAL.			
D/V or Port Collar				CFL-117 or CD110 CAF 38 C-16A 112.9 #.			
Rom 119 H's 4 1/2 10.5" CSG SET @ 4891				Sand C-1 7 GAL. C4IP 47 #.			
START CSG CSGOW Bottom TAG Hook up to				Handling 246			
CSG & BREAK CIRCL W/ RIG DROP BALL				Mileage 251 6150			
CIRCL W/ RIG				<b>4 1/2 FLOAT EQUIPMENT</b>			
START Pumping 10 Bbls H <sub>2</sub> O 12 Bbls MF 10 Bbls H <sub>2</sub> O				Guide Shoe HEAD & manifold 1 EA.			
START Mix! Pump 505x PLUG R-M HOLES				Centralizer 6 EA.			
START Mix! Pump 1505x 4 CSG @ 14.8" / GAL				Baskets			
SHUT DOWN Wash up + RIG RELEASE 4 1/2 LD PL				AFU Inserts			
START DISP W 2% KCL				Float Shoe			
Lift CNT PS 605 out 700 #				Latch Down 1 EA.			
PLUG DOWN 77.6 1300 #				SERVICE SVP 1 EA			
PS. up CSG 1700 #				LMV 25			
RELEASE HELD 1/2 Bbl BACK				Pumptrk Charge LONGSTRINGS			
GOOD CIRCL THRU JOB				Mileage 50			
THANK YOU PLEASE CALL AGAIN				TODD TS JAKE			
X Signature <i>[Signature]</i>				Tax			
				Discount			
				Total Charge			