

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  
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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)
SMP SAND	4810 (-2793)	SMP SAND	4811 (-2794)
RTD	4900 (-2845)	LTD	4904 (-2897)

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

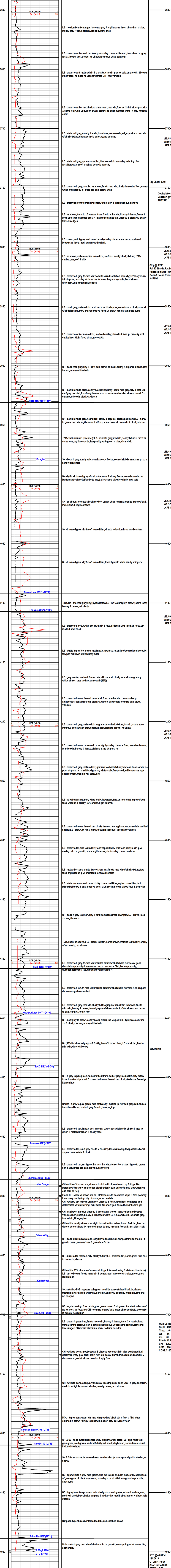
None

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	Mlstr	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 Wellsite Ran the following:  
 >CNL/CCL w/ PE  
 >Dual Induction  
 >Micro  
 >Sonic

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