

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>

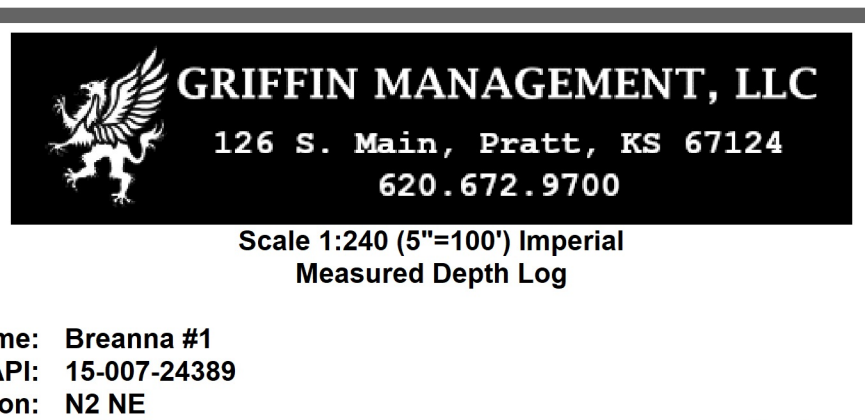
TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	BREANNA #1
Doc ID	1591494

Tops

Name	Top	Datum
Heebner	3932	-1912
Brown Lime	4100	-2080
Lansing	4122	-2102
Stark	4420	-2400
B/KC	4504	-2484
Pawnee	4570	-2550
Cherokee	4608	-2588
Viola	4687	-2667
Simpson Shale	4811	-2791





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

Well Name: Breanna #1  
 API: 15-007-24389  
 Location: N2 NE  
 License Number: 33936  
 Spud Date: 9/7/2021  
 Surface Coordinates: 660' FNL & 1320' FEL  
 Region: Barber Co.  
 Drilling Completed: 9/17/2021

Bottom Hole: Vertical Wellbore  
 Coordinates: 2015' K.B. Elevation (ft): 2020'  
 Ground Elevation (ft): 3800' To: 4850' Total Depth (ft): 4910'  
 Logged Interval (ft): 3800'  
 Formation: Ordovician (Simpson) @ RTD  
 Type of Drilling Fluid: Mud-Co. Chemical Displace, Displaced Mud @ 2750'-2797'  
 Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

**OPERATOR**  
 Company: Griffin Management, LLC  
 Address: 126 S. Main  
 Pratt, KS 67124-0347

**GEOLOGIST**  
 Name: Eli J. Felts  
 Company: Griffin Management, LLC  
 Address: efelts@grifmngmt.com  
 316.765.4070

**Formation Tops**

FORMATION	Griffin Management, LLC	Griffin Management, LLC	Griffin Management, LLC	Griffin Management, LLC	Griffin Management, LLC
	Top	Base	Top	Base	Top
HEEBNER	3832	(-1912)	HEEBNER	3832	(-1912)
BROWN LIME	4096	(-2076)	BROWN LIME	4100	(-2080)
LANSING	4119	(-2099)	LANSING	4122	(-2102)
STARKE	4422	(-2402)	STARKE	4420	(-2400)
BKC	4504	(-2484)	BKC	4504	(-2484)
PAWNEE	4570	(-2550)	PAWNEE	4570	(-2550)
CHEROKEE	4602	(-2582)	CHEROKEE	4605	(-2585)
VIOLA	4662	(-2642)	VIOLA	4687	(-2667)
SIMP SHALE	4738	(-2718)	SIMP SHALE	4811	(-2791)
RTD	4910	(-2890)	RTD	4910	(-2890)

**Drilling Report**

Murfin Drilling, Rig #104  
 Tool Pusher: Scotty Piland  
 Cell # 620-639-1843

9/07/2021  
 Spud @ 4:00 PM  
 Drill to 263' & Set Surface 1' off bottom

9/08/2021  
 Drilling Cement

9/09/2021  
 Drilling @ 2110'

9/10/2021  
 Drilling @ 3140'

9/11/2021  
 Drilling @ 4060'  
 SDF COVID @ 4195'

9/12 thru 9/14 SDF COVID

9/15/2021  
 Mixing Mud @ 4195'  
 TIH w/ bit & Re-Displace  
 Plugged bit, TOOH to Clean bit.  
 TIH w/ bit & CFS 45" Back to Drilling ~11 PM

9/16/2021  
 Drilling @ 4410'

9/17/2021  
 RTD @ 4850' @ ~6:30 AM  
 TOOH for Rig Repairs (Compressor)  
 TIH to Deepen for Logs  
 RTD2 @ 4910' @ ~6:30 PM  
 MW Wireline Logging ~11PM to 2AM

9/18/2021  
 LDDP & Prepare to run Casing  
 Break down Sniffer Trailer, unplug & Locked up.  
 Geo left location @ ~ 9:00 AM  
 Run Casing  
 Released Rig @ 7:45 PM

**Problems**

Shut Down for COVID @ 4195' (9/11 thru 9/14)  
 Plugged Bit @ 4195 after re-displacement (9/15)

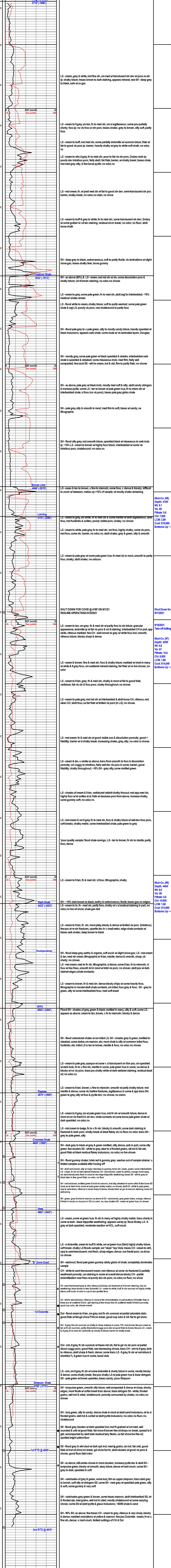
Original RTD @ 4850'. Shows in Simpson Sand prompt deepening.  
 Rig Down for repairs @ 4850'. Compressor swapped; TIH w/ bit & drilled additional 60' to 4910'. Rig repairs & deepening ~12 Hours

**Pipe Setting**

8.625" 23# @ 262' w/ 280 sxs.  
 5.5" 15.5# @ 4906' w/ 145 sxs.

**REFERENCE WELLS LOG TOPS**

FORMATION	Reference Well	Top	Base	Reference Well	Top	Base
HEEBNER	15-007-24389	3832	(-1912)	15-007-24389	3832	(-1912)
BROWN LIME	15-007-24389	4096	(-2076)	15-007-24389	4100	(-2080)
LANSING	15-007-24389	4119	(-2099)	15-007-24389	4122	(-2102)
STARKE	15-007-24389	4422	(-2402)	15-007-24389	4420	(-2400)
BKC	15-007-24389	4504	(-2484)	15-007-24389	4504	(-2484)
PAWNEE	15-007-24389	4570	(-2550)	15-007-24389	4570	(-2550)
CHEROKEE	15-007-24389	4602	(-2582)	15-007-24389	4605	(-2585)
VIOLA	15-007-24389	4662	(-2642)	15-007-24389	4687	(-2667)
SIMP SHALE	15-007-24389	4738	(-2718)	15-007-24389	4811	(-2791)
RTD	15-007-24389	4910	(-2890)	15-007-24389	4910	(-2890)



# QUALITY WELL SERVICE, INC.

7763

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	9-7-21	Sec.	5-	Twp.	30S	Range	15W	County	BARBER	State	KJ	On Location		Finish			
Lease	BREANA	Well No.	#1	Location		CROFT K <sub>1</sub> S to 110 <sup>th</sup> RD 1 E to 130 <sup>th</sup>											
Contractor	MURFIN D/G RIG #104	Owner	S to 2 <sup>nd</sup> CATTLE CWARD W! SINTO														
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.	263'	Charge To												GAFFIN	
Csg.	85/8 23'	Depth	262'	Tbg. Size												Depth	Street
Tool		Depth		City												State	
Cement Left in Csg.		Shoe Joint	25	The above was done to satisfaction and supervision of owner agent or contractor.													
Meas Line		Displace	15.2	Cement Amount Ordered												300 & (Common)	
<b>EQUIPMENT</b>				2 1/2 GEL 3 1/2 CC 1/2" PS USED 200 &													
Pumptrk	8	No.		Common												200 &	
Bulktrk	12	No.		Poz. Mix													
Bulktrk		No.		Gel.												526 #	
Pickup		No.		Calcium												790 #	
<b>JOB SERVICES &amp; REMARKS</b>				Hulls													
Rat Hole				Salt													
Mouse Hole				Flowseal												140 #	
Centralizers				Kol-Seal													
Baskets				Mud CLR 48													
D/V or Port Collar				CFL-117 or CD110 CAF 38													
Ran 6 1/4" 85/8 23" CSG SET @				Sand													
START CSG. CSG ON BOTTOM				Handling												301	
HAD TO GO TO CSG & BREAK CIRC W/ RIG				Mileage												25 / 7525	
START PUMPING H <sub>2</sub> O				<b>FLOAT EQUIPMENT</b>													
START MK! Pump 290 & Common				Guide Shoe													
2 1/2 GEL 3 1/2 CC 1/2" PS @ 14.8" / CAL				Centralizer													
START DISP				Baskets													
PLUG DOWN 15.2 BBL TOTAL				AFU Inserts													
CLOSE VALVE ON BSG 150 #				Float Shoe													
GOOD CIRC THRU JOBS				Latch Down													
CIRC CNT TO PIT				SERVICE SUP 1 EA													
				LNU 25													
THANK YOU				Pumptrk Charge												SURFACE	
PLEASE CALL AGAIN				Mileage												50	
TODD MIKE RICHARD																	
Signature																	
												Tax					
												Discount					
												Total Charge					

# QUALITY WELL SERVICE, INC.

7768

Federal Tax I.D. # 481187368

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

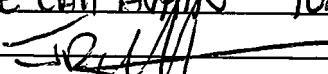
Mailing Address P.O. Box 468

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
9-18-21	5	30S	15W	Barber	Ks		
Lease BREANA		Well No. #1		Location COPT, Ks S to 110 <sup>th</sup> E to 130 <sup>th</sup>			
Contractor MURFIN DELG. R.G. #104				Owner S to 2 <sup>nd</sup> CATTLE GUARD W' Sinto			
Type Job 5 1/2 LS				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. 4910		Charge To GR. FIN			
Csg. 5 1/2 155		Depth 4908		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg.		Shoe Joint 2050		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 116.34		Cement Amount Ordered 175# PRO C 21.62L			
<b>EQUIPMENT</b>				101.5A H 5 1/2 KOLSEAL 6 1/2 C16A .25 1/4 C41P .25 1/4 PS			
Pumptrk 8	No.			Common 175#			
Bulktrk 15	No.			Poz. Mix			
Bulktrk	No.			Gel. 329"			
Pickup	No.			Calcium			
<b>JOB SERVICES &amp; REMARKS</b>				Hulls			
Rat Hole 30#				Salt 964#			
Mouse Hole				Flowseal 44#			
Centralizers 1-2-3-4-5-6-7				Kol-Seal 873#			
Baskets				Mud CLR 48 500 GAL			
D/V or Port Collar				CFE-117 or GB410 CAP 38 C16A 99#			
Run 17 H's 5 1/2 155# C56 SET @ 4908				Sand CC-1 9 GAL C 41P 41#			
START C56 C56 ON Bottom TAG				Handling 217			
Hook up to C56 & BREAK CIRC W/ RIG				Mileage 25 / 5425			
DROP BALL & CIRC W/ RIG				5 1/2 FLOAT EQUIPMENT			
START Pump 10 Bbl H2O 12 Bbl MF 10 Bbl H2O				Guide Shoe H: M 1 EA			
PLOG R-Hole 30#				Centralizer 7 EA			
Mix Pump 145# Pro C @ 14.8 1/4 GAL				Baskets			
SHUT DOWN WASHSTK & RELEASE STU LD PLOG				AFU Inserts			
START DIS W/ 21. KCL				Float Shoe 1 EA			
LIFT PS 650# 100 Bbl out				Latch Down 1 EA			
PLOG DOWN 116 Bbl out 1200#				SERVICE Spv 1 EA			
PSI up C56 1600#				LHW 25			
RELEASE HELD 1/2 Bbl BACK				Pumptrk Charge LS			
0000 CIRC thru 103				Mileage 50			
THANK YOU							
PLEASE CALL AGAIN TOMORROW							
Signature 							
				Tax			
				Discount			
				Total Charge			