

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
--	---

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 _____
---	---	--

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:	
----------------	-------	---------	------------	--

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	GWEN #2
Doc ID	1695719

Tops

Name	Top	Datum
Heebner	3915	-1921
Brown Lime	4086	-2092
Lansing	4107	-2113
Stark	4406	-2412
B/KC	4491	-2497
Cherokee	4598	-2604
Viola	4655	-2661
Simpson Shale	4806	-2812

QUALITY WELL SERVICE, INC.

8149

Federal Tax I.D. # 481187368

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

Mailing Address P.O. Box 468

Office 620-786-6992

Fax 620-672-3663

Todd's Cell 620-388-4967

Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish	
11-6-22	5	30S	15W	Barber	Ks			
Lease	GWIEN		Well No.	2				Location
Contractor	MURFIN DELG 2G # 116			Owner				
Type Job	5 1/2 LS			To Quality Well Service, Inc.				
Hole Size	7 7/8		T.D.	LTD 4841				
Csg.	5 1/2 15.5		Depth	4045.64				
Tbg. Size			Depth	Charge To				
Tool			Depth	Griffin				
Cement Left in Csg.			Shoe Joint	8.01				
Meas Line			Displace	115.14				
EQUIPMENT				5 1/2 KOBAL .6' C16A .25' C4IP 25 1/2 PSI				
Pumptrk	9	No.		Common 1755				
Bulktrk	10	No.		Poz. Mix				
Bulktrk		No.		Gel. 329 #				
Pickup		No.		Calcium				
JOB SERVICES & REMARKS				Hulls				
Rat Hole				Salt 964 #				
Mouse Hole				Flowseal 44 #				
Centralizers	1-2-3-4-5-6-7			Kol-Seal 875 #				
Baskets				Mud CLR 48 500 GAL				
D/V or Port Collar				CFL-117 or CD110 CAF 38 - C16A 99 #				
Run 115 # 5 1/2 15.5" CSG SET @ 4040				Sand CC-1 9 GAL C4IP 41 #				
START CSG CSG on Bottom & TAG				Handling 217				
DROP Ball Hook up to CSG & RECOIL (circled)				Mileage 25 / 5425				
START PUMPING 10 Bbls H2O 12 Bbls LMF 15 Bbls H2O				5 1/2 FLOAT EQUIPMENT				
START MIX & PUMP 1755x PROC @ 14.8" / GAL				Guide Shoe H'M 1EA				
SHUT DOWN WASH PTK RELEASE 5 1/2 LO PLUG				Centralizer 7EA				
START DISP W/ 2% KCL				Baskets				
LEFT PSI 95 Bbls out 550 #				AFU Inserts				
PLUG DOWN 115.14 Bbls 1200 #				Float Shoe Add HRS 3HRS				
PSI up on CSG 1700 #				Latch Down 1EA				
RELEASE HELD 3/4 Bbl BACK				SERVICE SW 1EA				
3000 circ thro JOB				LMF 25				
				Pumptrk Charge LS				
				Mileage 50				
THANK YOU								
PLEASE CALL AGAIN								
TODD MIKE X 2								
Signature								
				Tax				
				Discount				
				Total Charge				

QUALITY WELL SERVICE, INC.

8146

Federal Tax I.D. # 481187368

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

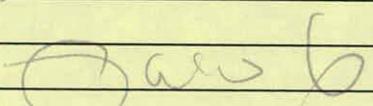
Mailing Address P.O. Box 468

Office 620-786-6992

Fax 620-672-3663

Todd's Cell 620-388-4967

Brady's Cell 620-727-6964

Date	11-2-22	Sec.	5	Twp.	30S	Range	15W	County	BARBEC	State	Ks	On Location		Finish	
Lease	Gwen			Well No.	2		Location								
Contractor	MURFIN DR/G RIG #116							Owner							
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.	270'		Charge To									
Csg.	85/8 23"		Depth	270'		Gaffin									
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	15.68		Cement Amount Ordered 300 sq Common									
EQUIPMENT											2 1/2 GAL 3 1/2 CC 1/2" PS USED 210 sq				
Pumptrk	3	No.				Common 210									
Bulktrk	12	No.				Poz. Mix									
Bulktrk		No.				Gel. 395#									
Pickup		No.				Calcium 592#									
JOB SERVICES & REMARKS											Hulls				
Rat Hole											Salt				
Mouse Hole											Flowseal 105#				
Centralizers											Kol-Seal				
Baskets											Mud CLR 48				
D/V or Port Collar											CFL-117 or CD110 CAF 38				
Run bottom's 85/8 23" CSG SET @ 270'											Sand				
START CSG CSG on Bottom											Handling 229				
HOOK up to CSG & Break (circ w/ rig)											Mileage 25 / 5725				
START Pumping H2O											FLOAT EQUIPMENT				
START MIC Pump 210 sq Common											Guide Shoe				
2 1/2 GAL 3 1/2 CC 1/2" PS @ 14.3" / GAL											Centralizer				
START DISP											Baskets				
Flow down 15.6 out											AFU Inserts				
Close Valve on CSG 150#											Float Shoe				
Good circ thru JOB											Latch Down				
CIRC CNT TO PIT											SERVICE SPV 1 FA				
											LMV 25				
THANK YOU											Pumptrk Charge SURFACE				
PLEASE CALL AGAIN											Mileage 50				
TODD MIKE BRYAN															
X Signature 											Tax				
											Discount				
											Total Charge				

Gwen #2
Griffin Management, LLC

11/7/22

Started running casing @ 9:30 pm. Ran 115 joints 5 ½" 15.5 # casing totaling 4,840'. PBTD: 4,831.99'.

RU to break circulation for one hour
RU Quality well service and cemented with 145 sks Pro C cement with 10% salt, 2% d.
Plug rathole with 30 sks cement. Release rig

11/9/22

RU CCWS Rig #1 and unload 153 Jts 2 7/8" tested and drifted tubing totaling 4,815.49' from GM yard Inventory . (31.47' jt avg.)
SDFN.

11/10/12

RU Log-Tech and run GR/CBL.

Top of cement: 3,044'

LTD: 4,836'

Bond: Good.

RD logging tool and Pu perforating gun and perforate **4,718'-4,732'** 3HPF.

RD Log-Tech and PU model r packer and 150 jts of 2 7/8" tubing. RU pro-stim chemicals and and spot acid @ 4,736' (150 jts). 27.9 bbl circulating spot.

Pull 3 jts and **treat @ 4,644' (147 jts)** 29.0 bbl to clear the perfs .

Breakdown: 300 # TP. Treated 3 bpm 350 #.

150 # ISIP. Vacuum in 4 minutes.

77 bbl total load.

RU to swab

1st run IFL @ 200'. Pulled from 1300'. Rec 1000' dirty water. Vac after run.

2nd run FL @ 500'. Pulled from 1500'. Rec 1000' dirty water. Vac after run.

3rd run FL @ 800'. Pulled from 1800'. Rec 1000' dirty water. Vac after run.

4th run FL @ 1000'. Pulled from 2000'. Rec 1000' dirty water. Vac after run.

5th run FL @ 1300'. Pulled from 2300'. Rec 1000' dirty acid water. Blow after run.

6th run FL @ 1800'. Pulled from 2800'. Rec 1000' dirty acid water. Strong blow after run.

7th run FL @ 2800'. Pulled from 3800'. Rec 1500' dirty acid water. Strong blow after run.

8th run FL @ 3000'. Pulled from 4000'. Rec 1000' dirty acid water. Strong blow after run.

9th run FL @ 3000'. Pulled from 4000'. Rec 1000'. ½ TOB OC. Strong blow after run.

10th run FL @ 3600'. Pulled from SN. Dry run. Hole in cup.

11th run FL @ 3000'. Pulled from 4000'. Rec 1000'. TOB OC.

12th run FL @ 3800'. Pulled from SN. Rec 800'. TOB OC. Sli blow after run.

Swabbed back 58 bbl.

13th run FL @ 4300'. Pulled from SN. Rec 350'.
TOB OC. Vac after run.

14th run pulled from SN. Rec 100' TOB OC. Vac
after run.

61 total bbl swabbed back.

Start 15 min tests

1st 15 min: FL @ 4200'. Pulled from SN. Rec 350'
2% OC. Dead after run.

2nd 15 min: FL @ 4300'. Pulled from SN. Rec
250' 2% OC. Dead after run.

Opened bypass and start swab back.

Swabbed back 12 bbl after opening bypass
SDFN.

11/11/22

TP 20#. Blew down to tank. RU to swab:
IFL @ 2,400' rec 100' free oil, 900' oily cut
water.

2nd run: FL @ 3,000' rec 1,000' dirty water.

3rd run: FL @ 3,800' rec 800' @ 3 % OC

4th run: FL @ 4,400' rec 300' @ 3 % OC

Wait 15 minutes

1st 15 min: Rec 350' @ 5 % OC

2nd 15 min: Rec 300' @ 5 % OC

3rd 15 min: Rec 200' @ 6 % OC

Recovered: 4 bbls in 3 runs

Wait 30 mins

1st 30 min run: Rec 400' @ 6 % OC

2nd 30 min run: Rec 400' @ 6 % OC

Swabbed back 4 bbls

3rd 30 min run: Rec 400' @ 6 % OC

4th 30 min run: Rec 400' @ 8 % OC

Swabbed back 5 bbls

5th 30 min run: Rec 400' @ 7 % OC

6th 30 min run: Rec 400' @ 7 % OC

Swabbed back 4 bbls

7th 30 min run: Rec 350' @ 6 % OC

8th 30 min run: Rec 350' @ 8 % OC

Swabbed back 3 bbls

9th 30 min run: Rec 300' @ 7 % OC

10th 30 min run: Rec 350' @ 7 % OC

Swabbed back 3 bbls

11th 30 min run: Rec 300' @ 7 % OC

12th 30 min run: Rec 300' @ 7 % OC

Swabbed back 3 bbls for 7th hour.

RD swab equipment, Set the tubing production tubing slips and shut in tubing. Will rig down Monday.

11-14-22

RD CCWS rig 1 and move to Stacy #4

1-16-22

RU CCWS rig 1.

30# TP. Blew down to tank.

RU to swab:

1st run FL @ 2400'. Pulled from 3400'. Rec 300' free oil, 100' oily water, 600' dirty water. Dead after run.

2nd run FL @ 3400'. Pulled from 4400'. Rec 1000' dirty water. Dead after run.

3rd run FL @ 4100'. Pulled from SN. Rec 500' ½ TOB OC. Dead after run.

4th run pulled from SN. Rec 200' dirty water. Dead after run.

Swab down rec 18 bbl, Wait 15 minutes in-between swab runs:

1st 15 min: Pulled from SN. Rec 300' @ 5% OC.

11-17-22

RU to swab:

1st run FL @ 2600'. Pulled from 3600'. Rec 200' free oil, 800' oil cut dirty water. Dead after run.

2nd run FL @ 3500'. Pulled from SN. Rec 1000' TOB OC. Dead after run.

3rd run pulled from SN. Rec 300' TOB OC.

Dead after run.

Swab down recovered 14 bbl.

Wait 15 minutes in-between runs:

1st 15 min: Rec 400' @ 5% OC

2nd 15 min: Rec 150' @ 6% OC

3rd 15 min: Rec 200' @ 6% OC

4th 15 min: Rec 200' @ 6% OC

Swabbed back 7 bbl

Wait 30 min

1st 30 min: Rec 400' @ 6% OC

2nd 30 min: Rec 400' @ 6% OC

Swabbed back 4.5 bbl

3rd 30 min: Rec 400' @ 7% OC

4th 30 min: Rec 350' @ 7% OC

Swabbed back 4 bbl

5th 30 min: Rec 400' @ 8% OC

6th 30 min: Rec 350' @ 8% OC

Swabbed back 4 bbl

7th 30 min: Rec 350' @ 8% OC

8th 30 min: Rec 350' @ 8% OC

Swabbed back a total of 33.5 bbl

11-18-22

RU Gore Nitrogen to frack with 3 tanks.

Treated 19.4 bpm @ 2,964 #.

ISIP: 1631#

5 min: 1400# s

10 min: 1357#

15 min: 1325#

Average Rate: 19.4 BPM – Max Rate 20.6 BPM

Average PSI: 2936# - Max PSI 3752#

Used 1202 bbl slick water

Pumped 50,053 LBS of 20/40 Sand + 6,017 LBS
of Resin coated sand and 1,218,000 SCF of N2.

11-19-22

TP 800#. Opened up on a 14/64" choke and
started flowing back at 8:00 am.

Fluid to surface 15 min; TP 550#

8:30 am TP 600# flowed 7 bbls. No sand.

Opened to 16/64".

9:00 am TP 600# flowed 3.5 bbls. No sand.
Opened to 18/64".

9:30 am TP 675# flowed 4 bbls. No sand.
Opened to 20/64".

10:00 am TP 400# flowed 7 bbls. No sand.
Opened to 22/64".

10:30 am TP 400# flowed back 7 bbls. Good
show of oil. No sand. 12% OC.

11:00 am TP 500# flowed back 12.5 bbls @ 50%
OC. No sand.

11:30 am TP 500# flowed back 13 bbls @ 42%
OC. No sand.

12:00 pm TP 500# flowed back 15 bbls @ 45%
OC. No sand.

12:30 pm TP 360# flowed back 15 bbls @ 33%
OC. No sand.

1:00 pm TP 300# flowed back 12.5 bbls @ 38%
OC. No sand.

1:30 pm TP 250# flowed back 15 bbls @ 36%
OC. No sand.

2:00 pm TP 210# flowed back 12.5 bbls @ 39%
OC. No sand.

2:30 pm TP 175# flowed back 10 bbls @ 40% OC. No sand.

3:30 pm TP 125# flowed 25 bbls @ 39% OC. No sand. Opened to 24/64".

5:00 pm TP 50# flowed back 27.5 bbls @ 44% OC. No sand. Opened to 28/64".

6:30 pm TP 10-30# flowed back 17.5 bbls @ 45% OC. No sand.

204 bbls total recovered

11-21-22

7:30 am TP 25#. Choke full open.

8:30 am flowed back 8 bbls @ 89% OC.

Opened bypass and released packer. PU 3 jts to tag sand. Tagged sand 20' in on 151st jt @ 4,750' (blank of sand in the hole)

TOH w/ tubing and packer. TIH w/ tubing and bull dog bailer.

Tagged bottom @ 4,750' and bailed 60' of sand to 4,810'. Quit making any hole with bailer so decided to call it good there and TOOH. TOOH

with bailer and TITH with production string as follows:

- | | |
|---------------------------|-------|
| 1) 7/8" Mud-Anchor. | 20' |
| 1) 2 7/8" Seating Nipple. | 1.01' |
| 1) 2' x 7/8" pony sub. | .20' |
| 9) 1.25'x 25' KBARS. | 1.10' |
| Chc 1 1/2" k-Bars. | 225' |
| 100) 3/4" RODS | |

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

Well Name: Gwen #2
 API: 15-007-24450
 Location: SW SW NW SE of Section 5 T30S R15W
 License Number: 33936
 Spud Date: 11/2/2022
 Surface Coordinates: 3635' FNL & 2725' FWL

Region: Barber County, KS
 Drilling Completed: 11/5/2022

Bottom Hole Vertical Wellbore
 Coordinates:
 Ground Elevation (ft): 1982' K.B. Elevation (ft): 1994'
 Logged Interval (ft): 4200' To: 4830' Total Depth (ft): 4830'
 Formation: Ordovician (Simpson) @ RTD
 Type of Drilling Fluid: Mud-Co. Chemical Drispac - Displaced @ 2768' w/ 700 bbls
 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

GEOLOGIST

Name: Eli J. Felts
 Company: Griffin Management, LLC
 Address: 126 S. Main
 Pratt, KS 67124

Drilling Report

Murfin #116 - Paco Gonzalez
 11/2/2022
 MIRU & Spud @ 3:30 PM
 11/3/2022
 Drilling @ 452'
 11/4/2022
 Drilling @ 3269'
 Major Time WOP ~6.5 Hours (7pm-1:30am)
 11/5/2022
 Drilling @ 4552'
 RTD @ 4830' ~4:45 PM
 11/6/2022
 Short Trip
 Logs
 Casing
 11/7/2022
 Plug Down 4:15 AM
 Release Rig 7:45 AM

Pipe Setting

8.625" Surface Casing Set @ 270' w/ 210 sxs. Common
 5.5" Production set @ 4840' w/ 175 sxs. Pro C

