

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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QUALITY WELL SERVICE, INC.

8139

Federal Tax I.D. # 481187368

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

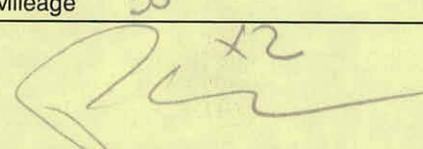
Mailing Address P.O. Box 468

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		
10-26-22	4	30S	15W	BARBER	Ks				
Lease	Ella		Well No.	2					
Contractor	Morfin Drlg 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.	268'		Charge To				
Csg.	85/8 23"	Depth	258'		GRIFFIN				
Tbg. Size		Depth	Street						
Tool		Depth			City State				
Cement Left in Csg.		Shoe Joint	20		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line		Displace	152 Bbls		Cement Amount Ordered 300# Common				
EQUIPMENT				21 GAL 3 1/2 CC 1/2" PS USED 275#					
Pumptrk	8	No.		Common 275#					
Bulktrk	12	No.		Poz. Mix					
Bulktrk		No.		Gel. 517#					
Pickup		No.		Calcium 776#					
JOB SERVICES & REMARKS				Hulls					
Rat Hole				Salt					
Mouse Hole				Flowseal 137.5					
Centralizers				Kol-Seal					
Baskets				Mud CLR 48					
D/V or Port Collar				CFL-117 or CD110 CAF 38					
Run to H/L 85/8 23" CSG SET @ 258'				Sand					
START CSG CSG on Bottom				Handling 294					
Hook up to CSG & BREAK circ w/ rig				Mileage 25 / 7350					
START Pumping H2O				FLOAT EQUIPMENT					
START MIX Pump 275# Common				Guide Shoe					
21 GAL 3 1/2 CC 1/2" PS @ 14.8" GAL				Centralizer					
START DISO				Baskets					
Plug down				AFU Inserts					
CLOSE VALVE CSG				Float Shoe					
Good ckl thru JOB				Latch Down					
Circ OUT TO RAT				SERVICE Sup 1 EA					
				LNU 25					
				Pumptrk Charge SURFACE					
				Mileage 50					
THANK YOU PLEASE CALL AGAIN TODD MIKE								Tax	
								Discount	
								Total Charge	
X Signature									

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Date	Sec.	Twp.	Range	County	State	On Location	Finish
10-30-22	4	30S	15W	Barber	Ks		
Lease	Ella		Well No.	2			
Location							
Contractor				Owner			
Murfin Delg E.G #116				To Quality Well Service, Inc.			
Type Job				You are hereby requested to rent cementing equipment and furnish			
5 1/2 LS				cementer and helper to assist owner or contractor to do work as listed.			
Hole Size		T.D.		Charge			
7 7/8		L 4340 4336		To Griffin			
Csg.		Depth		Street			
5 1/2 15.5"		4836.05					
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		Cement Amount Ordered			
		7.67		175x Pro C 2 1/2 GAL 10 1/2 SALT			
Meas Line		Displace		5 1/2 Kol Seal .61 C16A 25' C41P 25 1/2 PJ			
		114.92					
EQUIPMENT							
Pumptrk	No.			Common			
8				175x			
Bulktrk	No.			Poz. Mix			
7							
Bulktrk	No.			Gel.			
				329*			
Pickup	No.			Calcium			
JOB SERVICES & REMARKS							
Rat Hole				Hulls			
Mouse Hole				Salt			
				964*			
Centralizers				Flowseal			
1-2-3-4-5-6-7				44*			
Baskets				Kol-Seal			
				875*			
D/V or Port Collar				Mud CLR 48			
				500 GAL			
Run 114 H's				CFL-117 or CD110 CAF 38			
5 1/2 15.5" CSG SET @ 4836.05				C16A 99*			
START CSG CSG on Bottom TAG				Sand			
Hook up to CSG DROP BALL BREAKER w/ RIG				CC-1 9 GAL C41P 41*			
START Pump 10 3/4 1120 12 3/4 MF 10 3/4 1120				Handling			
START Mix Pump 175x Pro C @ 14.8 1/GAL				217			
SHUT DOWN wash up tek RELEASE 5 1/2 L D Plug				Mileage			
START Disp w/ 2 1/2 KCL				25 1/2 542.5			
LIFT PS. 95 out 550'				FLOAT EQUIPMENT			
Plug Down 115 out 1200'				Guide Shoe			
Pick up on CSG 1700'				H.M 1 EA			
Release/HELD 1/2 3/4 Back				Centralizer			
Good C16 thru job				7 EA			
THANK YOU				Baskets			
PLEASE CALL AGAIN				AFU Inserts			
Tommy Mike x2				Float Shoe			
				Latch Down			
				1 EA			
				SERVICE Spv			
				1 EA			
				LMV			
				25			
				Pumptrk Charge			
				LS			
				Mileage			
				50			
				Tax			
				Discount			
				Total Charge			
Signature							
[Signature]							

Ella #2

Griffin Management, LLC

10/22/22

Start running casing @ 6:00 am. Ran 114 joints
5 ½" 15.5 # casing totaling 4,836.05. **PBTD:**
4,828.38'.

RU to break circulation for one hour

RU Quality well service and cemented with 145
sks Pro C cement with 10% salt, 2% gel and 6#
Koseal

Plug down and held at 1:00 pm.

Plug rathole with 30 sks cement

11/2/22

RU Log-Tech and run GRCBL.

LTD: 4,830'

Top of cement: 3,020'

Bond: Good.

11/3/22

RU CCWS Rig 1.

Unload 153 jts 2 7/8" tubing from Addie yard inventory (31.91' average joint)

RU Log-Tech and perforate 4,702'-4,722' 3 SPF. RD perforators and TIH with packer and 153 jts of 2 7/8" tubing (4882.08')

RU Pro-Stim and spot acid @ 4723'

Pull two jts and set packer to treat @ 4643' 900# breakdown. Treated 2.5 bpm at 600#. ISIP 400#. 270# after 15 min. Opened to truck. Flowed back 11 bbl. Used 1500 gal 15% MCA acid. Total acid load 76.8 bbl.

65.8 bbl left to recover.

RU to swab. IFL @ surface.

1st run FL @ surface. Pulled from 1300'. Rec 1000' dirty acid water. Dead after run.

7th run FL @ 2800'. Pulled from 3800'. Rec 1500'. TOB OC. Strong blow after run.

- 42 BBL swabbed back for the hour

8th run FL @ 3000'. Pulled from 4000'. Rec 1000'. TOB OC. Blow after run.

9th run FL @ 3900'. Pulled from SN. Rec 600'. ½ TOB OC. Blow after run.

10th run pulled from SN. Recovered 175' acid water. ½ TOB OC. Vacuum after run. Swab down rec 56 BBL.

67 total BBL rec.

Wait 15 min. Pulled from SN. Rec 100'. ½ TOB OC.

Opened bypass on packer.

After opening bypass, swabbed back 22 BBL dirty acid water.

SDFN

11/4/22

20# TP. RU to swab.

1st run FL @ 2600'. Pulled from 3600'. Rec 100' free oil. Dead after run.

2nd run FL @ 3500'. Pulled from SN. Recovered 1000' dirty water. Dead after run.

3rd run pulled from SN. Recovered 100' dirty water. Dead after run.

Swab down rec 11 BBL

Start 15 min swab tests.

1st 15 min test – Pulled from SN. Recovered 100' dirty water. Dead after run.

2nd 15 min test - Pulled from SN. Recovered 60' with ½ TOB OC. Dead after run.

3rd 15 min test – Pulled from SN. Recovered 30' with ½ TOB OC. Dead after run.

Swabbed back 2 BBL.

RD swab and RO to pull packer. PU 3 jts 2 7/8" tubing and scrape balls off perms. Reset packer and start swabbing.

1st run FL @ 2300'. Pulled from 3300'. Rec 1000' dirty water. Dead after run.

2nd run FL @ 3300'. Pulled from 4300'. Rec 1000' dirty water. Dead after run.

3rd run pulled from SN. Rec 200' dirty water. Dead after run.

Swabbed 14 BBL back.

SDFN

11/7/22

15# TP. RU to swab.

1st run FL @ 2000'. Pulled from 3000'. Rec 100' free oil and 900' OC dirty water. Dead after run.

2nd run FL @ 3000'. Pulled from 4000'. Rec 1000' dirty water. Dead after run.

3rd run pulled from SN. Rec 500' dirty water. Dead after run.

Swab down rec 15 BBL.

Opened bypass and released packer.

Swabbed back 21 BBL.

1/6/23

RU Gore Nitrogen and fracked down casing w/ 8 tanks

Pad 50 bpm @ 1740 lbs

3rd sweep 50 bpm @ 1800 lbs

.75 sand on formation 50 bpm @ 1720 lbs

1/7/23

2050# CP. Started flowing back on a 14/64" choke @ 10:30 am. Fluid to surface in 45 minutes. No oil on top.

1/8/23

1:00 am – 390# CP. 19/64" choke. Foamy frac water. No oil, no sand. Flowed back 306.5 bbl in 14.5 hrs.

9:15 am – 110# CP. 19/64" choke. 106 bbl rec overnight in 8.25 hrs. No oil, no sand. 422.5 bbl total rec.

3:15 pm – 18# CP. 26/64" choke. 87.5 bbl rec in 6 hrs. Foamy frac water. No oil, no sand. 510 bbl total rec.

1/9/23

0# CP. Rec 42.5 bbl overnight. Flowed back a total of 552.5 bbl. Tear down frac valve and flow back equipment.

RU CCWS Rig #1. Pick up tubing and rods as follows:

- 1) 2-7/8" mud anchor
- 1) 2-7/8" seating nipple
- 149) jts 2-7/8" tubing

Bottom of mud anchor landed at 4772.57'

RO to run pump and rods as follows:

- 1) 2-1/2" x 2" x 18' hollow rod FOCSV
Pump
- 1) 7/8" x 2' pony rod
- 1) No tap tool
- 1) Spiral rod guide
- 9) 1.5" x 25' k-bars

- 100) 3/4" rods
- 79) 7/8" rods
- 1) 7/8" x 8' pony sub
- 1) 7/8" x 6' pony sub
- 1) 7/8" x 4' pony sub
- 1) 1-1/4" x 26' polished rod

Loaded tubing with 10 bbl water. Pressured up and held. Rig down CCWS Rig #1.

Will set a pumping unit tomorrow morning.

1/10/23

American Trucking put together and set a 228 Sentry 86" stroke pumping unit and A-54 engine. Online to swab tank @ 5:30 pm. Will have lead line finished Wednesday morning.



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

Well Name: Ella #2
 API: 15-007-24434
 Location: NW SW SW SW
 License Number: 33936
 Spud Date: 10/26/2022
 Surface Coordinates: 581' FSL & 279' FWL
 Region: Barber County
 Drilling Completed: 10/29/2022
 Bottom Hole Coordinates: Vertical Wellbore
 Ground Elevation (ft): 1996'
 Logged Interval (ft): 3800'
 Formation: Ordovician (Simpson Shale) @ RTD
 Type of Drilling Fluid: Mud-Co. Chemical Drispac - Displaced 2800'
 K.B. Elevation (ft): 2008'
 Total Depth (ft): 4836'
 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@griffinmgt.com
 316.765.4070

Drilling Report

Murfin Rig #116 :-
 Tool Pusher: Paco Gonzalez
 10/26/2022
 Spud @ 11 AM
 10/27/2022
 Drilling @ 709'
 10/28/2022
 Drilling @ 3303'
 10/29/2022
 RTD @ 4836' @ 7AM
 Short Trip
 Logs
 10/30/2022
 Run Production Casing - Plug Down 12:45 PM

Problems

Lost 800 bbl @ 87' drilling surface hole
 Displaced hole at 2,800' used 750 bbl,
 Short trip # 1 at 4,836' pulled up to surface shoe ~6 hours
 LTD 12' Deeper than Rig

Pipe Setting

8.625" 23# Set @ 258' w/ 275' sxs.
 5.5" 15.5# Set @ ' w/ 145' sxs.

