

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	ANNA #2
Doc ID	1734459

Tops

Name	Top	Datum
Heebner	3871	-1911
Brown Lime	4048	-2088
Lansing	4064	-2104
Stark Shale	4376	-2416
B/KC	4464	-2504
Pawnee	4533	-2573
Cherokee	4570	-2610
Viola	4616	-2656
Simpson Shale	4734	-2774

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Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	54.5	44	Common	75	2%Gel 3%CC
Surface	12.25	8.625	23	259	Common	190	2%Gel 3%CC
Production	7.875	5.5	17	4618	Pro C	175	10%Salt 2%Gel 5#Koseal

QUALITY WELL SERVICE, INC.

8385

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	9-20-23	Sec.	9	Twp.	30S	Range	15W	County	Barber	State	Ks	On Location		Finish	
Lease	Anna	Well No.	2	Location											
Contractor	Muehler Drilling Rig #104							Owner							
Type Job	Cond							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	17 1/2							T.D.	44'						
Csg.	13 3/8 SAS							Depth	44'						
Tbg. Size								Charge To	Gaffin						
Tool								Depth							
Cement Left in Csg.								Street							
Meas Line								City	State						
								Shoe Joint	10						
								Displace	4.9 bbl						
								The above was done to satisfaction and supervision of owner agent or contractor.							
								Cement Amount Ordered 250 & Common							
EQUIPMENT								2 1/2" CEL 3 1/2" 11 1/2" PS used 75 &c							
Pumptrk	3	No.						Common 75 &c							
Bulktrk	15	No.						Poz. Mix							
Bulktrk		No.						Gel. 141 lbs							
Pickup		No.						Calcium 212 lbs							
JOB SERVICES & REMARKS								Hulls							
Rat Hole								Salt							
Mouse Hole								Flowseal 30 lbs							
Centralizers								Kol-Seal							
Baskets								Mud CLR 48							
D/V or Port Collar								CFL-117 or CD110 CAF 38							
Run 1st 13 3/8 SAS csg. SET 2144'								Sand							
START Csg on Bottom								Handling 87							
Hook up to Csg! Break circ w/216								Mileage 25 / 3750							
START Pumping H2O								FLOAT EQUIPMENT							
START mk! Pump 75 & Common								Guide Shoe							
2 1/2" CEL 3 1/2" 11 1/2" PS & 14.8" csg								Centralizer							
START PISN								Baskets							
Close Valve on Csg 4.9 bbl total								AFU Inserts							
Good circ thro JOB								Float Shoe							
Circ cut to PET								Latch Down							
								SERVICE Spn 1 EA							
								LMV 25							
THANK YOU								Pumptrk Charge Cond							
PLEASE CALL AGAIN								Mileage 50							
DOO MATT ACTION															
								Tax							
								Discount							
X Signature								Total Charge							

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Date	9-21-23	Sec.	9	Twp.	30S	Range	15W	County	Barber	State	K	On Location		Finish	
Lease	Am A	Well No.	H2		Location										
Contractor	Murfan Oil & Gas							Owner							
Type Job	SPE FALC							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.		892'		Charge To								
Csg.	85/8		Depth		259'		To								
Tbg. Size			Depth				Street								
Tool			Depth				City								
Cement Left in Csg.			Shoe Joint		25		State								
Meas Line			Displace		14.98		The above was done to satisfaction and supervision of owner agent or contractor.								
EQUIPMENT							Cement Amount Ordered								
Pumptrk	3	No.					2 1/2" EL 3 1/2" CL 1/2" PI								
Bulktrk	15	No.					Common								
Bulktrk		No.					Poz. Mix								
Pickup		No.					Gel. 357 lbs								
JOB SERVICES & REMARKS							Calcium 536 lbs								
Rat Hole							Hulls								
Mouse Hole							Salt								
Centralizers							Flowseal 9.5 lbs								
Baskets							Kol-Seal								
D/V or Port Collar							Mud CLR 48								
Run 6 #1's 85/8 23" Csg Set 259'							CFL-117 or CD110 CAF 38								
START Csg. Csg. on Bottom							Sand								
Hook up to Csg. & BREAK CIRC W/PIG							Handling 207								
START Pumping H2O							Mileage 25 / 5175								
START MK: Pump 190 sc Compo							FLOAT EQUIPMENT								
2 1/2" EL 3 1/2" CL 1/2" PS 2 14.3" GAL							Guide Shoe								
START Disp							Centralizer								
Pig Drop 14.9 Bbls total							Baskets								
Close Valve Csg							AFU Inserts								
Good ride thro JOB							Float Shoe								
Circ OUT TO PIT							Latch Down								
THANK YOU							SERVICE SUP 1ED								
PLEASE CALL AGAIN							LMV 25								
TODD MATT ACTIVE							Pumptrk Charge SURFACE								
							Mileage 50								
							Tax								
							Discount								
							Total Charge								
X Signature															

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Date	9-26-23	Sec.	9	Twp.	30S	Range	15W	County	Barber	State	Ks	On Location		Finish			
Lease	AWWA	Well No.	2	Location													
Contractor	Murfitt Oil & Gas Co. # 104												Owner				
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.	4833'			
Csg.	5 1/2 17"												Depth	4813'			
Tbg. Size													Charge To	Graftin			
Tool													Depth				
Cement Left in Csg.													Street				
Meas Line													City	State			
													Shoe Joint	6-70			
													Displace	11174			
EQUIPMENT														The above was done to satisfaction and supervision of owner agent or contractor.			
Pumptrk	3	No.													Cement Amount Ordered	205 1/2 POC 2 1/2 GAL 10" 5011	
Bulktrk	10	No.														5 1/2 1/2 GAL 6 1/2 C16A 25 1/2 C41P 25 1/2 P	
Bulktrk		No.														Common	205
Pickup		No.														Poz. Mix	
JOB SERVICES & REMARKS														Gel.	385 lbs		
Rat Hole	30x												Calcium				
Mouse Hole													Hulls				
Centralizers	1-2-3-4-5-6-7												Salt	1129 lbs			
Baskets													Flowseal	51 lbs			
D/V or Port Collar	USED												Kol-Seal	1025 lbs			
	Run 110 ft 5 1/2 17" CSG SET @ 4518'												Mud CLR 48	500 GAL			
	BAG CSG CSG @ Bottom 1 TAC												CFL-117 or CD110 CAF 38	C16A 116 lbs			
	DRP Ball Hook up to Csg. Break Circ w/16												Sand	CC-1 1 C41P 43 lbs			
	START Pumping 10 BBL H2O 12 BBL H2O 10 BBL H2O												Handling	276			
	START PLG 6 R. H. 30x												Mileage	251 6900			
	START 11K Pump 175 1/2 POC 4 Csg @ 14.3" GAL												5 1/2 FLOAT EQUIPMENT				
	SHUT DOWN w/10 1/2 tk Release 5 1/2 17" POC												Guide Shoe	H! M 1 EA			
	START displ 2 1/2 KCL												Centralizer	7 EA			
	LIFT P 92 W/100 550'												Baskets				
	Plug down 112 out 1300'												AFU Inserts				
	Pump on Csg 1700'												Float Shoe				
	Release! HELD 1/2 H1 BACK												Latch Down	1 EA			
	Close Circ flow 303												SERVICE SUDV	1 EA			
	THANK YOU												LMV	25			
	PLEASE CALL AGAIN												Pumptrk Charge	LS			
	DO NOT WAIT H2O												Mileage	50			
X Signature													Tax				
													Discount				
													Total Charge				

Griffin Management LLC

Anna #2

9/20/23

MI and RU Murfin 104

9/25/23

Logging at 6:30 pm

Finished logging TIH drill pipe and collars

9/26/23

Circulated 1 hr. Laid down drill pipe and collars

Started running casing at 5:30 am

Ran 110 jts 5 ½" 17# casing Total 4816'

Landed at 4618'. Circulated 1 hr. Quality
cemented with 175 sks Pro C cement 10% salt,
2% gel and 5# Koseal per 1000#. Plug down at
Plugged rathole with 30 sks Released rig

9/29/23

RU CCWS (Les)

Total tubing 149 jts 4839.34'ho

10/2/23

RU Excel Wireline. Ran CBL/GR log and perforated 4652'-4662' & 4674- 4700'

2 spft. LTD 4810'. PU packer and 145 jt 2 7/8" tubing

RU Tiger Chemical. Spot acid at 4706'

Pulled 4 jts and set packer at 4584' (141)

Breakdown 1300#. Treated 3 bpm at 600#

Ball hits pressures increased to 750#

ISIP 500#. 15 mins 300#

Used 2000 gals 15% MCA acid, 11.5 bbls KCL spacer water, 28.5 bbls KCL flush water and 50 balls. Acid load total 89 bbls

RU to swab. IFL surface

Swabbed down and recovered 54 bbls TOB oil

After swab down

1st swab recovered 400' 10% OC

2nd swab recovered 400' 18% OC

3rd swab recovered 200' 20% OC
Recovered 5 more bbls. 59 bbls total
Open bypass and swabbed down
Recovered 15 bbls
1st swab recovered 200' 5% OC
2nd swab recovered 200' 5% OC
Shut in well

10/3/23

TP 70#. IFL 1800'

1st swab recovered 1000' 30% OC
2nd swab recovered 1000' 22% OC
3rd swab recovered 1200' 20% OC
4th swab recovered 400'. TOB oil
5th swab recovered 100'. TOB oil
Swabbed back 17 bbls

Wait 15 mins recovered 300' 10% OC
Wait 15 mins recovered 300' 10% OC
Wait 15 mins recovered 300' 12% OC
Wait 15 mins recovered 200' 12% OC
Wait 15 mins recovered 100' 15% OC
Swabbed 5 bbls. Total 22 bbls

Released packer and pick up 4 jts to knock balls off perforations. TOOH with packer
TIH with tubing string. Landed tubing string at 4627.66. R/O to run pump and rods. PU pump and $\frac{3}{4}$ rods. Shut down

10/4/23

Finish picking up rods as follows

- 1) 2 $\frac{1}{2}$ " x 2" x 18' RWB insert pump
- 1) 2' x $\frac{7}{8}$ " pony rod
- 6) 1.25 x 25' sinker bars
- 174) $\frac{7}{8}$ " rods
- 1) 8' x $\frac{7}{8}$ " pony rod
- 1) 6' x $\frac{7}{8}$ " pony rod
- 1) 26' polished rod

Load hole.

10/5/23

Set pumping unit. TOOH with rods and tubing.
SD

10/6/23

RU Gore N2 to frack with

6,283 bbls slick water

62,635# 20/40 mesh sand

8,132# Restin coated 20/40 mesh sand

Avg 55 bpm at 2034#

ISIP 1,076#. 15 mins 900#

Shut in well.

10/7/23

Well on vacuum

10/9/23

TIH with tubing and tagged sand at 4742'
(42' below perfs). Pulled 4 jts and Landed
bottom of tubing at 4627'(142 jts)

RO to run pump and rods as follows

- 1) 2 ½" x 2" x 18' RWB insert pump
- 1) 2' x 7/8" pony rod
- 6) 1.25" x 25' sinker bars
- 174) 7/8" rods
- 1) 8' x 7/8" pony rod

1) 6' x 7/8" pony rod

1) 26' polished rod

Loaded hole and hung off. RD

Started pumping at 2:00 pm



GRIFFIN MANAGEMENT, LLC

126 S. Main, Pratt, KS 67124
620.672.9700

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

Well Name: Anna #2
API: 15-007-24479
Location: T30S R15W Sec 9
License Number: 33936
Spud Date: 9/20/2023
Surface Coordinates: 1130' FSL & 380' FEL
Region: Barber County, KS
Drilling Completed: 9/26/2023

Bottom Hole Coordinates: Vertical Wellbore
Ground Elevation (ft): 1955'
Logged Interval (ft): 3800'
Formation: Ordovician (Simpson) @ RTD
Type of Drilling Fluid: Mud-Co. Chemical Drispac - Displaced @ 2830'-62'
K.B. Elevation (ft): 1960'
Total Depth (ft): 4832'
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

9/20/2023
Spud @ 6 PM

9/21/2023
Drilling @ 187'

9/22/2023
Drilling @ 987'

9/23/2023
Drilling @ 2615'

9/24/2023
Drilling @ 4020'

9/25/2023
Drilling @ 4760'

9/26/2023
Casing @ 4833'
Release Rig @ 2PM

Other

Plugged bit at 450'- 1.25 Hr
Displace from 2830 -2862 in 1 hour with 700 bbl/Short trip for logs at 4833' pulled 68 stands in 3.75 hrs

Pipe Setting

13.375" set @ 44' w/ 75 sxs.
8.625" set @ 259' w/ 190 sxs.
5.5" set @ 4818' w/ 175 sxs.

