KOLAR Document ID: 1636453

Сс	onfiden	tiality R	equested:
	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

		DECODIDEIO		
WELL	HISTORY	- DESCRIPTIO	N OF WELL	& LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from Dorth / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
CONTRACTOR: License #	GPS Location: Lat:
Name:	(e.g. xx.xxxx) (e.gxxx.xxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
	Elevation: Ground: Kelly Bushing:
Gas DH EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
Deepening Re-perf. Conv. to EOR Conv. to SWD	Drilling Fluid Management Plan
Plug Back Liner Conv. to GSW Conv. to Produc	(Data must be collected from the Reserve Pit)
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls
Dual Completion Permit #:	Dewatering method used:
SWD Permit #:	
EOR Permit #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	— Quarter Sec TwpS. R East West
Recompletion Date Recompletion Date	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:						

KOLAR Document ID: 1636453

Operator Nam	ne:			Lease Name:	Well #:
Sec	Twp	S. R	East West	County:	

Page Two

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		<u> </u>	/es 🗌 No	1		L	og Forn	nation (Top), De	pth and	d Datum	Sample	
(Attach Additiona				(N	lame)			Тор	Datum
Samples Sent to Geological Survey Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run:			∕es ∟ Νο ∕es □ Νο ∕es □ Νο ∕es □ Νο	1								
			Rep	CASI ort all strings	NG RECO		Nev		duction, etc.			
Purpose of String		ze Hole Drilled	Si	ze Casing et (In O.D.)		Weight _bs. / Ft.		Setting Depth	Type o Cemei		# Sacks Used	Type and Percent Additives
Purpose:		Depth	Turo	ADDITIO e of Cement		NTING / S		EEZE RECC		and Pa	ercent Additives	
Perforate	Тор	Bottom	тур	e of Cement	#0				туре	anu re	Acent Additives	
Protect Casing Plug Back TD Plug Off Zone												
 Did you perform a h Does the volume of Was the hydraulic fractional first Production 	the total base acturing treat	e fluid of the hy ment informat	ydraulic fi ion subm	acturing treat	emical disclo		stry?	Gas Lift	No (If	No, skip No, fill c	o questions 2 an o question 3) out Page Three o	
Estimated Production Per 24 Hours	1	Oil B	bls.	Gas Mcf Water Bbls. Gas-Oil Ratio			Gravity					
DISPOSIT	TION OF GAS	8:		METHOD OF			COMPLETION:			PRODUCTION INTERVAL: Top Bottom		
Vented So	old Use	ed on Lease		Open Hole Perf.			-	Comp ACO-5)	Commingled (Submit ACO-4)		100	
		Perforat Bottor						,	Acid, Fracture, Sho (Amount ar		enting Squeeze of Material Used)	Record
TUBING RECORD:	Size:		Set At:		Packer	At:						

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	HARPER #2
Doc ID	1636453

Tops

Name	Тор	Datum
Heebner	3884	-1888
Brown Lime	4058	-2062
Lansing	4077	-2081
Stark	4380	-2384
B/KC	4463	-2467
Pawnee	4527	-2531
Cherokee	4567	-2571
Viola	4602	-2606
Simpson Shale	4753	-2757
LTD	4794	-2798

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	HARPER #2
Doc ID	1636453

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface	12.25	8.625	23	263	Common	275	3%CC 2%Gel
Production	7.875	5.5	15.5	4793	Pro C		10% Salt, 2% Gel, 5# Koseal



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

API: 15-007-24385 Location: W2 W2 W2 NE License Number: 33936 Spud Date: 12/7/2021 Surface Coordinates: T30S R15W Sec 4 Coordinates: Ground Elevation (ft): 1991'

Well Name: Harper #2

1320' FNL & 2589' FWL Bottom Hole Vertical Wellbore

Logged Interval (ft): 3800'

K.B. Elevation (ft): 1996' To: 4800' Total Depth (ft): 4800' Formation: Ordovician (Simpson) @ RTD Type of Drilling Fluid: Mud-Co. Chemical Drispac. Displaced Mud @ 2859'-2903'

Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com

Region: Barber Co.

Drilling Completed: 12/12/2021

OPERATOR

Company: Griffin Management, LLC

Address: 126 S. Main Pratt, KS 67124-0347

GEOLOGIST

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

Drilling Report

Murfin Drilling, Rig #104 **Tool Pusher: James Mayfield** Cell # 785-269-7684

12/7/2021 Spud @ 4:45 PM

12/8/2021 WOC @ 263'

12/9/2021 Drilling @ 2191'

12/10/2021 Drilling @ 3272'

12/11/2021 Drilling @ 4070'

12/12/2021 Drilling @ 4660' RTD @ 11:00 AM MW Wireline Logged Well - 9:45 PM to 1:00 AM

12/13/2021 LDDP @ 4798' **Run Casing** 9/02/2021 Drilling @ 4740' RTD @ 12:30 PM Start Logging @ ~10PM

Coal

9/03/2021 LDDP Run Casing - Plug Down @ 2:15 PM Release Rig @ 6:15 PM

Problems No Bit Trips No DSTs **Pipe Setting** 8.625" 23# @ 263' w/ 275 sxs. 5.5" 15.5# @ 4793' w/ 175 sxs. **ROCK TYPES * * * *** Granite Congl Anhy Salt Sltst There are a set of the Bent Dol-cream Lmst tan Shale 2 Ss angea Brec Shale gry Decession Till Dol Lmst AAAA Cht Meta Gyp Shale 1 m m m m Mrist Shcol Clyst Igne

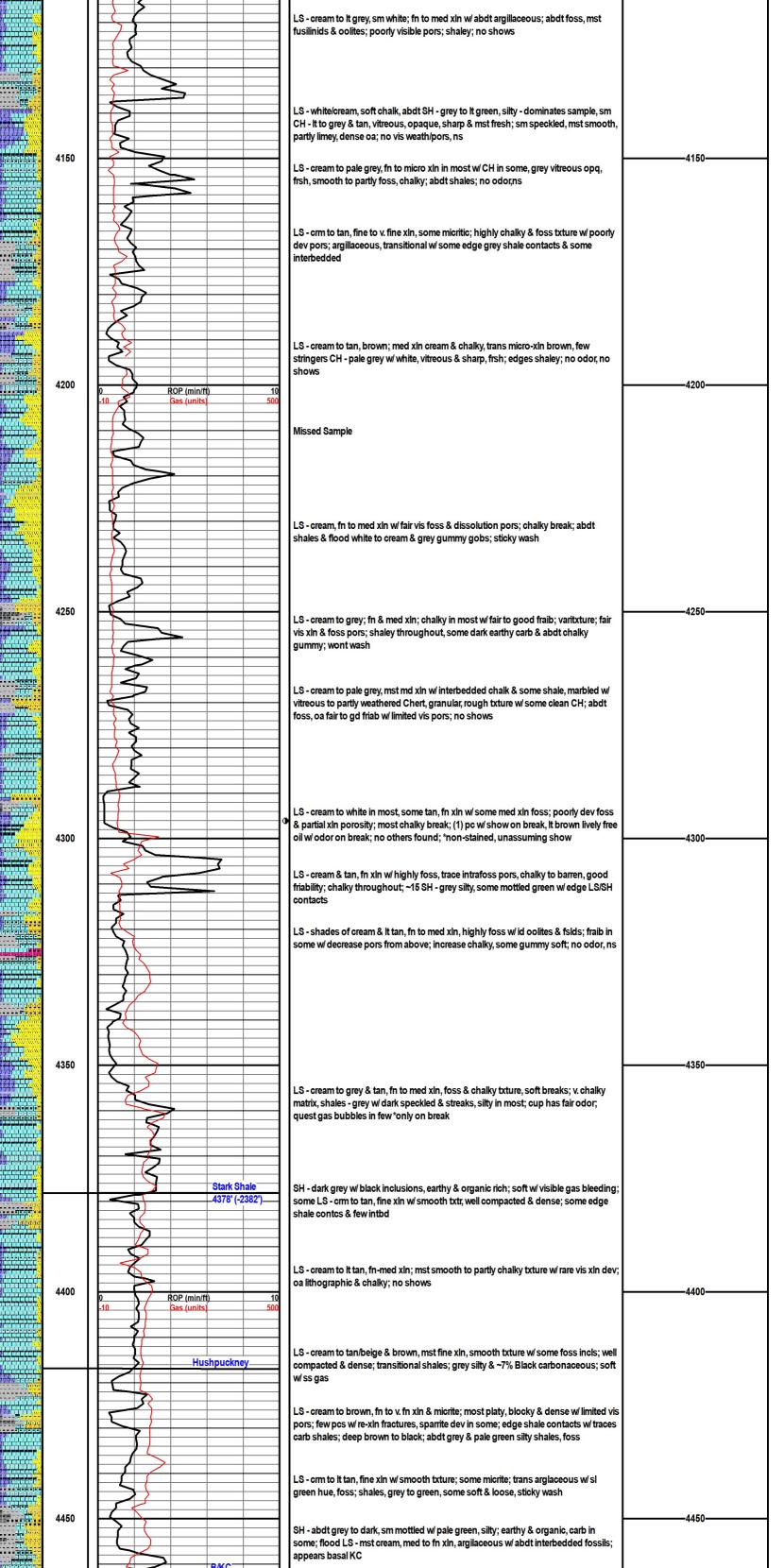
🔨 🔨 🔪 Quartz

Granite 2

_

Shgy

	0000
LS - cream to white, sm It tan to golden appearance, hvy stained few pcs w/ good - v. good vis xln dev; med to coarse xln calc; ba ip; others chalky to partly cherty; quest stain show; nothing app fluor	arren, good porosity
LS - cream, fn to md xln, highly chalky, mst soft; some vis pors b no shows	parren; trace stained;
3850 LS - cream to wht, lt grey, mst fn w/ sm med xln;fair vis xln pors; p shale, mst med grey, silty, & rare black, carb shales (2-3%)	
SH - flood dark brown to black, silty & smooth, some vis laminat	tions; firm w/ soft
crush, non-fissile; bleeds gas	
Heebner Shale 3884' (-1869') SH - flood dark grey to black, some sl dense to fissile; earthy & o carbonaceous; bleeds gas, abdt grey silty shales, some soft & g	
3900 SH - deep grey to black, carbonaceous, fissile; vis laminations w traces LS - crm to tan, fine xln, sl sucrosic appearance, stained, r gummy shale; grey to the green	
SH - mostly Heebner type; trans LS - crm to it grey, sm tan, fn to i ntrafoss & xin pors; some fair to good vis pors & fair friab; barre	
SH - pale grey w/ black speckled & streaked inclusions; appear of some micaceous; v. fn sandy txture; compl shalebound mtx	carbonaceous w/
3950 3950 SH - It grey silty to sandy; increase dark interbedded & speckled lgr pcs carb shales	l inclusions; some
SH - pale grey to v. pale green, silty to mostly sandy txture, heavi incls; appears carb shale; some shale w/ vis laminated layers	ily speckled w/ black
SH - mostly grey, some pale green w/ black speckled & streaks; in shale is speckled & streaked; some micaceous incls; med firm; for compacted; few stringers SS have better friab; clr to sl frosted, si	fairly well
4000 ROP (min/ft) 10	
SH - as above, pale grey w/ black incls; mostly med soft & silty; s increase pyrite; some LS - crm to brown, fn-med xln; sandy & for break, poorly vis pors; ns	
4050 4050 4050 4050 4050	
LS - cream to white & tan/brown; mst tan to brown, v. fine to mice w/ foss incls; well compacted, dense; trans cream, fin to med xin some vis xin pors, barren ~90% Douglas Shale remains	
LS - cream to tan, sm brown, sm micritic, foss smooth & dense; for the second s	
4100 4100 appears mineral/resid; no fluor, no odor, ns	4100



			462' (-2466')		
				SH - flood grey to pale green, silty w/ some earthy, sub carbonaceous, firm w/ quest	
			o	gas bubbles in some; trans mottled, green to maroon; LS - cream w/ brown stained fractures, fn xln w/ fair fractd porosity & partial stain, slt show gas, poss trace residual oil; no odor	
		3			
		5			
	4500				4500
				LS - cream to tan, brown, webbed & fractured; appears micrite webbed med xin chalky; stained fracs in some; trans shales; interbedded blocks LS in shale; green &	
			Pawnee 1528' (-2532')	silty, foss	
				LS - flood cream to caramel, It tan, v. fine xin to micrite; smooth txture w/ sm speckled	
				& foss; no vis pors; dense & very well compacted; some edges shale; pale green; oa Dense Lime	
	С			LS - cream, fine xIn w/ smooth to sI argI txture; some vis pp & fractured porosity w/ It brown staining; residual flakes on break; dense, oa poorly dev vis pors; transition	
	4550			sandy; appear it grey-crm clusters; med grained, sb anglr, fair sorted; friab; barren; SH - varicolored maroon to green, speckled to mottled	4550
		E cham	kas Shala	SH - flood gummy soft pale grey, gobs wont wash; some grey to black & green,	
			okee Shale (-2566')	mottled; silty; abdt LS - cream w/ webbed fractured & pp pors w/ residual stain (Ft. scott); no odor, no live show	
				SH - mst greens & grey, some dark; mottled; silty in most w/ med firm to soft break;	
				non fissile; trans sandy ip; mostly shalebound; few clusters appear tan clusters w/ std stain; fine grains, well rnd & srtd w/ v. good friab; sl residual show on break; v. soft crush w/ slight show free oil	
				Mst shales & limestones; quest sample; few stringers SS - It tan clusters, fine grained; well rnd & sorted w/ v. good friab; breaks when handled; sI residual clingy has poor dull fluor; doesn't appear live; oa weak represntation of SS; few clusters	
			•	are very good quality *60 cup washes red; increase clusters; show quality & sand content improve in 60" circ sample	
	4600	Correction Pop (min/ff, Vi Pop (min/ff, Vi Pop (min/ff, Vi Pop (min/ff, Vi	iola 10 603' (-2607') 500		4600
				LS - chalky cream w/ pink & green hue, soft w/ transitional CH - semi-translucent white w/ green stain & some dark trippolitic weathering; abdt pale green shales;	
				some grey w/ dark speckled incls; 40" increase CH - mst vitreous (semi transparent to opaque white) w/ abdt foss; some vis fracs; dark tripp stn ip	
\$\$\$\$ 55554 97959 12					
				Dolomitic LS - cream to white/It grey & abdt pale green stained; fn xln sucrosic	
				txture; fair to good friab w/ chalky break, limited vis xIn pors; some Chty, green hue in many, vitreous to partly fract'd, no shows	
				Dolomite, white to cream, green, fn xln sucrosic & hvyly chalky txture; barren w/ poorly dev pors; flood gummy white sticky gobs; wash cup white; dolomitic LS -	
	4650			cream, fn xln w/ sl sucrosic txture; poor vis xln pors; trans dolo chert; mst vitreous to dolo, fresh in most; traces trippolitc w/ dark staining; quest residual; no odor, no live	
	4000			show CH - milky white to semi-transparent, vitreous in most; sharp & fresh; sm intbd dolomite; It tan,	4000
			•	fn-med xln sucrosic w/ good vis xln pors; appears along edges of CH w/ some intbd; Dol is limited OA, but quality is improving; slight shows It golden free oil w/ fair cup odor	
				Dolomite - cream to it tan, mst fn xin sucrosic w/ some med xin dev; additional	
2000 - 100 2000 - 100 2000 - 100		5		dissolution porosity w/ med vgs; good sample odor & bleeding gas; very lite (translucent) show oil is difficult to detect w/out Fluoroscope; yellow fluor abdt & droplets show up; good friability & oa good show oil & gas	
		• }		areprese short ap, good maximy a da yood short di a yas	
555556777 33333337			•	Dolomite - some cream, mostly grey, fine xln sucrosic w/ fair vis xln porosity; chalky in most; couple pcs w/ It brown bleeding oil & gas w/ good odor on break; mostly	
				barren; soft breaks easily; oa diminished shows	
	4700			CH - tan w/ dark speckles, vitreous & smooth, sl limey ip; sharp glassy break w/	
				brittle, yet dense break; some additional limey CH - wht to cream, same composition; dense; no shows	
				LS - cream to It grey, dolomitic & cherty; fine xIn sucrosic txture w/ dense; cherty break; difficult to break w/ tweezers; some vis fractures ip w/ poorly vis pors; no	
╡┇╪┎╧┲╧╋┿ ┋┋╪┍╧┲╧╋┿┿ ┋┋╪╪╧┱╧				odor, ns	
				LS - It grey to cream, fine xin sucrosic w/ chalky to limey makeup in some; CH - bone white, semi-translucent in some, vitreous; no visible weathering in chert, some	
				fractured edges w/ shaley stringers (mst grey w/ some greenish) abdt chalk; no shows	
	4750				
일립었는다. 김영원(2017) 김원원(2017) 김원원(2017)			pson Shale 5' (-2759')	SH - flood turquoise green, smooth & waxy, simpson type shale; SS - grey to white	
7777 7 7				clusters, sl frosted qtz; sub angular, fairly sorted, fair friability w/ poor to fair pors; dense to partly friable w/ pyrite & glauc incls; no shows	
				SH - turquise green w/smooth, waxy txture; visible laminations, firm & blocky;	
				decreasing sand content	
				SH, as above & sand; appears cream, white & It grey clusters w/ dark inclusions; sI frosted qtz is sb rounded, fairly sorted medium-Ig grains; poor to fair friability w/ no	
				shows in sand; (1) pc Dolomite cream to pink, fine xIn rhombic txture w/ bleeding orange "clingy" oil & gas; dense w/ poor to fair xIn pors; poorly friable w/ cherty/silaceous incls;	
				······································	
and the second se		<u></u>			

QUALITY WELL SERVICE, INC. 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

N 10 7 -	Sec.	Twp. ZJS	Range バン	(X	County	State	On Location	Finish		
Date 12- 7-21	T	12.00	2	20.0	saebee	LI				
Lease MACHE	00	Vell No.	5 - 6 10	Locat	and a second					
Contractor [1] S12+1N D216. KIG 139					Owner To Quality Well Service, Inc.					
Type Job SoltALE					— You are hereby requested to rent cementing equipment and furnish					
Hole Size 12/4	1.D. <u>46</u> 2			cementer and helper to assist owner or contractor to do work as listed.						
<u>Csg. 85/3 Z</u>	Depth 262			Charge Griffin						
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 /5.2					Cement Amount Ordered 407 5x 21. (21. 31. (21. 91					
- C No. 1	EQUIPM	AENT			275 USEO					
Pumptrk S No.					Common 275 SC					
BUIKTR /						Poz. Mix				
Bulktrk No.					- Gel. 517 H					
Pickup No.			anavo.		Calcium 776 F					
JOB SE	RVICES	& REMA	RKS		Hulls					
Rat Hole					Salt					
Mouse Hole					Flowseal	33 "				
Centralizers	10				Kol-Seal					
Baskets					Mud CLR 48					
D/V or Port Collar					CFL-117 or C	D110 CAF 38				
KUN 6 31'S 95/323 "CSG SET 263"					Sand					
STATICSG CSGON Batton					Handling Z	56				
HOOK up to UG ! BREAK C'LL WIEIG					Mileage 25	17400				
STAT REMOIN 6 15 Bble 1123						FLOAT EQUIPN	IENT			
STAZE MUZ PIMA A9556 Commas					Guide Shoe					
Z/1626 31/100	151P	1			Centralizer					
STACT DISD					Baskets					
Close VALVE ON CSG 15.2 BH O.L					AFU Inserts					
1504					Float Shoe					
GUDD CIEC THEW-03					Latch Down					
CIELCHT TO,				SERVICE _	50) / EA					
					LAV Z	5				
- 8 T					Pumptrk Charg	ge Sueface				
TIMLYOU					Mileage St					
MEASE CALL NEAW							Tax			
7000	MILE	12	-		1		Discount			
x Signature					1		Total Charge			
							1000			

QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

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

الار دي. با المعاد "ماسيو... ^{ال}ه

Mailing Address P.O. Box 468

Office 620-727-3410 Fax 620-672-3663

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والمريبة ومنتجع تهمي والالم والأول

Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

· · * * •

	Sec.	Twp.	Range	, c	County	State	On Location	Finish		
Date 2-13-21	4	305	12W	B	Arber	K.		·		
Lease HARDER	N	/ell No.	2	Locatio	on					
Contractor MURFIN	2.6	# 104		Owner						
Type Job 51225					To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish					
Hole Size 778	т.д. 4794'			cementer and helper to assist owner or contractor to do work as listed.						
Csg. 512 15,5		Depth 4795.09			Charge Griffin					
Гbg. Size Depth					Street					
Tool		Depth			City State					
Cement Left in Csg.	_	Shoe Joint 21.22			The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line Displace //3.42				Cement Amount Ordered 1755 Pes C 21. 6EL 15% SAIT						
	IENT			51/4 K-JSEAL 61/ CII/A 251/ C41P.251/56 PS						
Pumptrk 8 No.		,			Common 175					
Bulktrk	Bulktrk 10 No.				Poz. Mix					
Bulktrk					Gel. 329#					
Pickup No.					Calcium					
JOB SE	& REMA	RKS		Hulls		•				
Rat Hole 355				Salt 964 *						
Mouse Hole 2055		•		Flowseal 44 ⁴						
Centralizers 1-2-34	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"					
Ron 114 +15 51/2 1	54 SE	1) 479:	3	Sand CC-1 9 Gal CAIP 41#						
STAT CSG CSG ON Bottom ; TAK					Handling 17					
Honk of to CSG BEEAK City While					Mileage 25					
Dese Ball ! cize while					5/2					
STAT POMPING DB/1 HIZO 12 1841, WIF D B66, HZO					Guide Shoe H ¹ M IEA					
START PLUE R.H. 30 .				Centralizer 7 EA						
STAD MIX J CSG	7 14	84/691		Baskets						
SHUT Drun unshot	LEAVE .	51/2 20 Ph.	6	AFU Inserts						
	:L			Float Shoe I EA						
LIFT PSI '980	00#			Latch Down I EA						
PIX Dun 1130	1200	F		SERVICE SOJ LEA						
PSipa OG	> <u>⊁</u>			IMV ZS						
RELEISE HELD.	Bac	.K		Pumptrk Charge LS						
Goo cia the. :	-			Mileage 50						
THANL.				Tax						
- PLEASE CALL	IN TO	Don: MIKE		Discount						
X Signature	11-				Total Charge					
- A	TV							Taylor Printing, Inc.		

Conservation Division 266 N. Main St., Ste. 220 Wichita, KS 67202-1513



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Dwight D. Keen, Chair Susan K. Duffy, Commissioner Andrew J. French, Commissioner Laura Kelly, Governor

April 07, 2022

Charles N. Griffin Griffin, Charles N. 126 S MAIN ST PRATT, KS 67124-2711

Re: ACO-1 API 15-007-24385-00-00 HARPER #2 NE/4 Sec.04-30S-15W Barber County, Kansas

Dear Charles N. Griffin:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 12/7/2021 and the ACO-1 was received on April 07, 2022 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department