#### KOLAR Document ID: 1569517

Confident	iality 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 #	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:, Long:
Name:	(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
Oil WSW SWD	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
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 Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
Dual Completion Permit #:	Lesstion of fluid dispass if bould offsite.
EOR         Permit #:	Location of fluid disposal if hauled offsite:
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: 1569517

Operator Name:	Lease Name: Well #:
Sec TwpS. 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 (Attach Additional Sh	acate)	Y	′es 🗌 No			og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo			⁄es 🗌 No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:		□ Y □ Y	Yes ☐ No Yes ☐ No Yes ☐ No						
		Rep	CASING ort all strings set-c		] Ne	w Used rmediate, productio	on. etc.		
Purpose of String	Size Hole Drilled	Siz	ze Casing et (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
[			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose:	Depth Top Bottom	Туре	e of Cement	# Sacks Use	d		Type and	Percent Additives	
Protect Casing Plug Back TD Plug Off Zone									
<ol> <li>Did you perform a hydra</li> <li>Does the volume of the</li> <li>Was the hydraulic fracture</li> </ol>	total base fluid of the	hydraulic fr	acturing treatment		-	☐ Yes ns? ☐ Yes ☐ Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Date of first Production/Inj Injection:	jection or Resumed Pr	oduction/	Producing Meth	iod:		Gas Lift 🗌 O	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio				
DISPOSITIO	N OF GAS:		Ν	IETHOD OF COM	MPLE	TION:		PRODUCTIC Top	DN INTERVAL: Bottom
Vented Sold (If vented, Subn	Used on Lease		Open Hole		Perf. Dually Comp. C (Submit ACO-5) (Submit ACO-5)			юр	Bollom
	foration Perform Top Botto		Bridge Plug Type	Bridge Plug Set At		Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

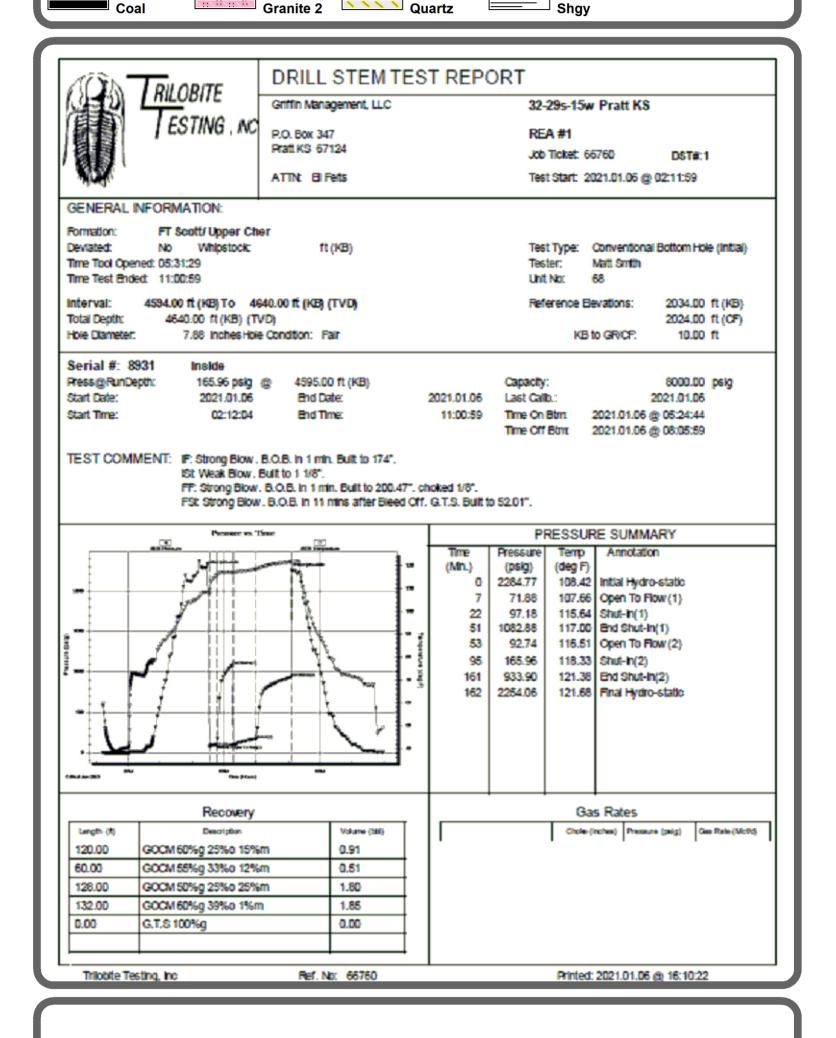
Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	REA 1
Doc ID	1569517

### Casing

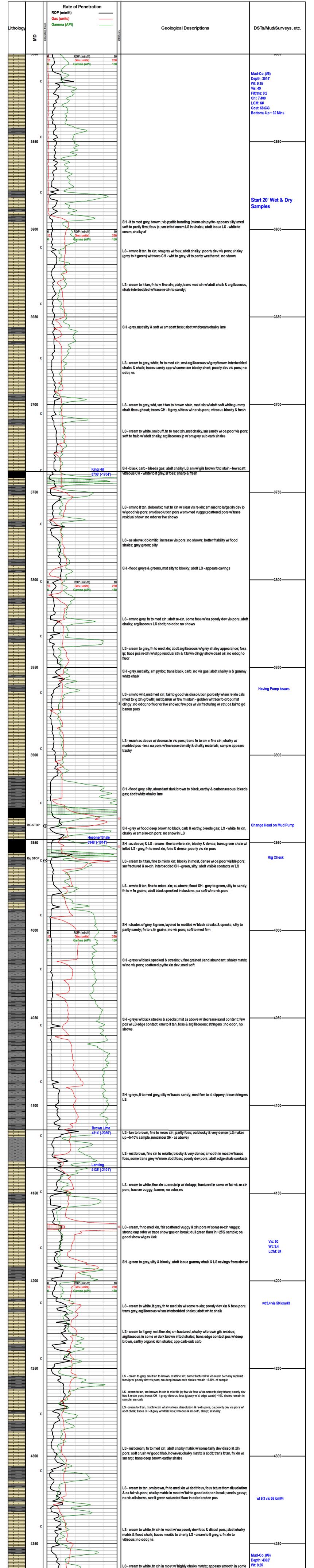
Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	263	Common	280	2%CC 3%Gel
Production	7.875	5.5	15	4859	Pro C		2% Gel,10% Salt, 5# Koseal



	620.672.9700
	Scale 1:240 (5"=100') Imperial Measured Depth Log
Well Name: API:	Rea #1 15-151-22524
	N2 - SE of Sec 32 29s 15w
Spud Date: Surface Coordinates:	
	Long:   -98.979867 Vertical Wellbore,  1 Degree Dev @ 4640'.
Coordinates: Ground Elevation (ft):	
	Ordovician (Simpson) @ RTD
Type of Drining Fluid:	Mud Co. Chemical Drispac. Displaced Mud @ 2761' (600 BBLS) Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com
	OPERATOR
	Griffin Management, LLC P.O. Box 347
Audiess.	Pratt, KS 67124-0347
Name:	GEOLOGIST Eli J. Felts
Company:	Griffin Management, LLC ejfelts47@gmail.com
l	316.765.4070
1	Formation Tops
SAMPL	E TOPS LOG TOPS
HEEBNER	
BROWN L LANSING STARK	IME 4114 (-2080) BROWN LIME 4116 (-2082) 4135 (-2101) LANSING 4133 (-2099) 4434 (-2400) STARK 4437 (-2403)
B/KC PAWNEE	4518 (-2484) B/KC 4524 (-2490) 4587 (-2553) PAWNEE 4588 (-2554)
CHEROKE VIOLA SIMP SHA	4676 (-2642) VIOLA 4670 (-2636)
SIMP SAN SIMP SAN RTD	
Murfin Drilling, Rig #114 Tool Pusher: Scott Piland Cell # 620-639-1843	Drilling Report
12/31/2020 Move Murfin Rig #114 to Rea	a #1. Spud @ 8:30 pm.
1/1/2021	
Run Casing for Surface. Plue WOC @ 7 AM.	g Down @ 4 AM
Drilled out plug @ 12 PM TOOH for work on mud pum	p @ 1356' (~6 hours)
1/2/2021	
TIH following pump repairs	overnight.
1/3/2021 Drilling @ 2213' Displace Drilling fluids @ 2 Bit Trip @ 2946'	721'. 600 bbls in 30 mins.
1/4/2021	
Drilling @ 3261' Call Depth (3400') @ 10:30 A On location @ ~7pm. Depth WOP @ 11:30' PM	
1/5/2021	
Rig Check @ 12:30 AM ~30' 7 AM - Drilling @ 4216'	
CFS @ 4640' (60") Short Trip 30 stands (110")	
CTCH for DST #1 (90") Survey & Strap pipe coming	out
TOOH for DST #1	
1/6/2021 DST #1 on bottom	10-20 AM
TOOH w/ DST - on bank @ 1 TIH w/ bit - CTCH	
Back to Drilling @ 5PM CFS @ 4660, 4680,4700,472	21,4740,4760
RTD @ 4860' @ 4:20 AM CFS (60") Short Trin (45) Stando	
Short Trip (15) Stands CTCH for Logs (90")	
1/7/2021 RTD @ 4:20 AM	
7 AM - CTCH following Shor TOOH for Logs - Start out @	•
On Bank @ ~9 AM Start Logging @ 10, Done Lo	
TIH-CTCH-LDDP-Run Casin	
1/8/2021 Plug Down @ 1:30 AM	
Release Rig @ 5:30 AM	
	Problems
TOOH for pump repairs @ 1 Bit trip @ 2946'. Approx 4 ho	356'. Down ~6 hours total.
0 62511 0-4 0 6221 225	Pipe Setting
8.625" Set @ 263'. 280 sxs. 5.5" Set @ 4859'. 125 sxs.	
	ROCK TYPES
Bent	Dol-cream Lmst tan Shale 2 Ss
Cht	Gyp Meta Shale 1
	Igne International Internation



REFERENCE WELLS E-LOG TOPS															
		Rea #1		Wał	rman 1-32			Gillen#1			Monroe #1		50	mmer #2	
FORMATION	Griffin N	lanagement, I	LLC	Dunne Equities Operating, Inc.				Berexco, Inc.		Gr	ffin Management, LLC		Griffin Management, ULC		
	Elevation:	2034 KB		Elevation:	2006 KB		Elevation	2038 KB		Elevation:	2019 KB		Elevation:	[2016] K8	
	Depth	55	150	Depth	ŚŚ	ISO	Depth	SS	150	Depth	SS	150	Depth	55	
Ging Hill	3738	-1704	213	3700	-1694	215	3733	-1695	217	3714	-1695	214	3710	-1694	
leebner	3951	-1917	165	3915	-1909	164	3950	-1912	164	3928	-1909	171	3918	-1902	
irown Lime	4116	-2082	17	4079	-2073	24	4114	-2076	23	4099	-2080	23	4090	-2074	П
ansing	4133	-2099	304	4103	-2097	298	4137	-2099	298	4122	-2103	294	4112	-2096	1
Stark	4437	-2403	87	4401	-2395	82	4435	-2397	86	4416	-2397	84	4410	-2394	1
lase KC	4524	-2490	64	4483	-2477	68	4521	-2483	66	4500	-2481	67	4495	-2479	
awnee	4588	-2554	42	4551	-2545	37	4587	-2549	41	4567	-2548	39	4558	-2542	٦
herokee	4630	-2596	40	4588	-2582	57	4628	-2590	46	4606	-2587	56	4598	-2582	1
liola	4670	-2636	155	4645	-2639	135	4674	-2636	143	4662	-2643	136	4656	-2640	٦
impson	4825	-2791	23	4780	-2774	31	4817	-2779	31	4798	-2779	46	4781	-2765	1
and	4848	-2814	16	4811	-2805	139	4848	-2810	37	4844	-2825	5	4822	-2806	٦
atb	4864	-2830		4950	-2944		4885	-2847		4849	-2830		4858	-2842	1



	с				w/ v. soft chalky break; traces foss & dissolution pors; barren; oa chalky soft lime	Vis: 51 Filtrate: 8.8 Chl: 6,600
			E E		I.C. araam fin yle udamaatka amaarimaan naaruja nam udaaffarriiski akallari teens ti	LCM: 3# Cost: \$9,925 Bottoms Up ~ 41 Mins
					LS - cream, fn xin w/ smooth appearance; poor vis pors w/ soft crush; chalky; trans it tn, fn to v. fine xin; dense w/ few edge shale contacts; it green to brown shale traces	
	4400		0 <b>ROP</b> (min/ft) 10 Gas (units) 250		LS - cream to wht, It grey, fn to med xIn w/ abdt chalky matrix; fair vis fractd & re-xIn pors w/ med-lg xIn growth ip; fair cup odor w/ trace shows gas bubbles; mst pcs	
	с		0 Gamma (AP) 150		appear barren w/ 1-2 cuttings w/ It brown stn; slight show live gassy It brwn oil on break w/ increase odor; oa poor show w/ poor to fair gas show; no visible fluor	
			$\mathbf{z}$			
			Stark Shale		LS - cream to it tan, sm grey, mst fine xin w/ vis re-xin & fair dissolution porosity; slight odor w/ increase on break, rare it brown/golden stain w/ no live shows; trace pcs SH - dark grey to brown, earthy w/ sm pyritic incl; slight show gas from shale	
	С		4434'(-2400')		pus on - dark grey to brown, earthy w/ sin pyntic inci, sight show gas non shale	
	4450					4450
					LS - cream to white, It grey, fine to med xIn w/ heavily chalky txture & matrix; some vis re-xIn w/ oa poorly dev vis pors; ~15% SH - grey to It green, silty	
					LS - mst cream, sm white to It grey, fine xIn in most w/ abdt chalk; sm foss w/ poorly	
	с		Hushpuckney		dev foss pors; sl re-xln in some	
			4475' (-2441')	*	SH - flood deep grey to black, earthy, carb w/ gas bubbles; traces pyritic banding; abdt LS - crm to tan, mst fn xin; blocky & dense	
			5		LS - cream to grey, mst fine xIn w/ abdt foss; argillaceous ip w/ grey & green interbedded shales; silty w/ foss incl; garbled up trashy looking rocks - appears	
					reworked formation	
	4500 <sup>C</sup>				SH - flood greys & pale green, sm mottled ip; silty & blocky; sm foss; abdt LS - mst tan, fine to micro-xln; dense blocky w/ no vis pors; no odor, ns	4500
			B/KC 4518' (-2484')		SH - flood varicolored & mottled SH - mostly grey w/ greens, sm maroon, dark grey	
	_				w/ black speckled (appears foss) inclusions; silty & blocky in most w/ sm interbedded LS - tan to brown, fn xln to micritic; foss; varicolored ip; oa app reworked; no odor, nso	
	С		5			
	4550				LS - cream to It tan, brown, fn to microxIn; micritic in some; abdt vis fracs w/ Ig	4550
					translucent calc xIn growth on some edges; trans from SH - abundant varicolored; as above w/ sm argil LS & intbd shales, foss	
	с				CLL version la mai a mai 8 annon morronn mottled ut ab dt interto dalad I. Cuarro to tan	
					SH - varicolored; grey & green, maroon, mottled w/ abdt interbedded LS; crm to tan, sm brown, sm w/ It green hue; abdt foss; dense & blocky; fractures; loose calc xin growth w/ dissol pors; no odor, ns	
						Strap .93' STB Survey 1 deg
			Pawnee Lime           4587' (-2553')		LS - cream to It grey, fn to v. fine xln; blocky & dense; smooth, platy texture; no vis	DST #1 Ft. Scott - Upper Cherokee
	с 4600				pors; no odor, ns	Interval: 4594'-4640' -Anchor: 46'
			0 ROP (min/ff) 10 10 Gas (units) 250 0 Gamma (API) 150 Ft. Scott		LS - cream, fn to med xIn w/ highly foss txture; appears tan to brown from oil saturation; fair intrafoss & sm dissolution porosity; re-xIn calc growth w/med to sm Ig xIn; good friability w/ fair to	Times: 15-30-45-60 Recovery: GTS (tstm) 440' TF
				*	good cup odor; scattered yellow fluor w/ instant milky streaming cut (~20 cuttings w/ shows in 20" stop @ 4640' *traces free oil in sample & floating in sample cup	260' CO 180' GCMO
			Cherokee Shale	þ	LS - as above remains in 40" & 60" Samples; decrease odor in 40" - picks back up odor in 60" SH - flood grey w/ black speckled incl; intbd LS & CH - vitreous in mst; varicol-partly weath; traces SS	IF: BOB in 1" ISI: built to 1.25" FF: BOB in 1"
	¢		4626' (-2592')		- app It grey, med to Ig grains - clear to sl frst; poor srtd w/ abdt black resid stn; no odor, ns/no fluor SH - flood varicolered & mottled shale & CH - grey-green-purple-maroon, speckled with black; foss ip; CH - vitreous w/ some vuggy & re-xIn porosity; few pcs trippolitic w/ heavy weath; black resid oil	FSI: BOB in 11" GTS
	20-40-60	o			stain; trace sand clusters; appear grey to dark; clr to frosted, anglr, poorly sorted w/ f.gd friab; dead oil flakes on break ; slight odor; no live show/ no fluor SH - flood varicolored, maroon to purple, rust, green & grey, sm mottled; speckled ip w/ sm foss &	SIP: 1083-984# FP: 72-97# to 93-166# CH: NA
		Ĭ	2 5>		interbedded CH - varicolored, semi-trans cream to orange; vitreous in most w/ sm fractured; trippolitic ip w/ dark spotted weathering; dead oil ip; no live show; trace SS - app grey clust w/ brwn & blk foss incl; fn-med grained, well rnd & fair std w/ highly shaley matrix; med friab w/ poor to no	RW: NA BHT: 108 Degrees Gravity: 36 @ 60 degrees
	4650				vis intergran pors; no odor, ns SH - pale grey to green; silty w/ mst smooth texture; med firm to dense; high calcium content (good reaction to HCL) few clumps gummy white & rust col sticky globs; abdt varicolored shales aa -	4650
<u> </u>	C 20-40-60	o			decrease CH - vitreous SH - abdt maroon to brick; med firm w/ sm gummy; cup washes red; LS - cream to white, chalky texture w/ v soft crush; black residual stn edges w/ sm trans dolomitic & dolo & tripp CH - white w/	Mud-Co. (#7)
<u> </u>				ľ	black tripp staining; vitreous in part, semi-translucent ip; some fresh, sharp, appears fractured w/ abdt blk resid stn; few pcs trippolitic CH w/ live oil show floating near; v. dense; increase show w/ crush	Depth: 4640' Wt: 9.4 Vis: 48
	30-45	•	Viola 4676' (-2642')	0	CH - cream w/ green hue; vitreous in most w/ many pcs w/ shale contact; SH- pale green, med firm to partly waxy; abundant chalk - cream to white; soft	Filtrate: 7.6 Chl: 5,600 LCM: 2#
		Ĭ	<u>}</u>		LS - cream w/ pink & green hue; v. chalky txture in most; soft crush; trans cream to It green dolomitc CH & LS; abdt green shale stringers w/ edge contacts; no odor, ns	Cost: \$11,874 Bottoms Up ~ 43 Mins
	C 30-45				LS - cream w/ pink & green hue; super chalky w/ soft crush & poor to no vis pors; interbedded dolomitic CH & some vitreous CH - semi-translucent cream to It green CH; mostly fresh, vitreous; no shows; abdt green shales throughout	
P	4700	0			LS - white to cream med xln; dolomitic w/ heavy chalk; soft crush; trans CH & Dolomitic CH - crm to	4700
				•	wht; opaque, vitreous w/ sm foss; re-xIn foss w/ slight show It brn fo & gas in few pcs; partly weathered, mstly non-trippolitic CH	
	20.45		Viola 'B' Chert		CH - white to semi translucent; vitreous w/ abundant dolomitizaion; some fn to v. fn xln dolomite; It cream/semi translucent; tite on break w/ poor vis pors; (1-2) pcs w/ pinhead shows oil & gas; mst barren & dense	
	30-45 C	o		*	Dol - cream to It tan, fn xIn sucrosic w/ fair xIn & sm dissolution pors; fair-gd show It gld free oil & bleeding gas; good cup odor w/ good overall saturation & bright yellow fluor; instant cut w/ good	
				•	pop from HCL Dol - cream, sm It tan fn xln w/ increasing to med xln; better oa vis xln porosity w/ larger dissolution; free oil vis in tray & bleeding from rocks; increase fraib & visibility of crude in sample; inst cut w/ gd	
	30-45-60	0			yellow flour and good odor Dol - cream to It tn, some fine xIn-sucrosic; as above; trans med xIn w/ good interxIn pors w/ sm vgy	
	4750 C			ľ	pors in some; traces w/ interbedded CH ip; white w/ tn to brwn vugs w/ xIn dol; oa good fraib & vis oil sat, good odor & live shows O&G yellow fluor w/ inst cut	4750
	C 30-45	0		0	Dol - flood It grey, fine xIn - sucrosic; less xIn pors w/ big drop in show; mst barren pors w/ chalky matrix on break; sm cherty dol - It gry - vitreous & sucr dolm txt; blocky & dense; barren	shows drop significantly in 4760' - 45" sample
					Samples Don't Lag	
	c				Dol - crm to It grey, fn xin sucrosic w/ poor vis pors; mod friab w/ chalky break; trans dolomitic LS - It grey, fn xin w/ It dol xin txture; poor vis pors w/ chalky matrix ip;	
	U U				abundant CH - white, vitreous; glassy & sharp - blocky - dense w/ no primary pors; quest fractures w/ micro linear fracs; tough break; no odor, no shows	RIG CHECK
	4800					
			0 ROP (min/ff) 10 10 Gas (units) 250 0 Gamma (AP) 150		LS - cream, sm white & It green hue, fn to med xln w/sl dolomitic & chalky txture; most blocky & dense; no vis pors; no odor, ns	
	с				LS - cream to it tan, fn to microxin; no vis pors; blocky & dense; trace chalky & abdt transitional CH; few stringers SH & sandy SH - turquoise green, sl friable w/ scattered sandy shales; clear to frstd grains, fn to med, well md & std w/ no vis	Suck up pit mud @ 4816' (Gel up for Vis)
		Н	Simpson Shale 4822' (-2788')		intergrain pors (shalebound) SH - flood deep turquoise, silty, firm & blocky to waxy w/ vis laminations in some;	Mud-Co. (#8)
					semi-fissile crush; abdt stringers SS - white to grey clust; cir to sl fist qtz, fn to med, well md & fair sorted; no vis pors; shaley matrix w/ abdt pyrite	Depth: 4860' Wt: 9.25 Vis: 54
					SH - turq green, blocky & fissile; SS stringers & sm loose clusters; appear white to It grey clusters; clear to sI frosted, med grains, well md & fair sorted; mod friab w/ fair	Filtrate: 8.0 Chl: 6,300
			Simpson Sand		intergrain pors; abdt dark material & pyritic inclusions; barren; no odor, no fluor, no shows	LCM: 1# Cost: \$12,844 Bottoms Up ~ 43 Mins
	4850 <del>ັ</del>		4848' (-2814')		SS - app white to It grey clusters; cir to si frosted qtz, well md, fair sorted, sm-med grains; gd friab in some w/ clean matrix (sm dark inclusions w/ qtz - otherwise fairly clean in some) barren; other clusters claybound & pyritic; no odor, no fluor, no	4850 Mid-West Wireline on Location @ 9 AM
		0	RTD		clean in some) barren; other clusters claybound & pyritic; no odor, no fluor, no shows	AM Ran the Following Logs:
			4860 (-2826) LTD 4864' (-2830')			CNL/CDL Dual Induction
			Loggers on bottom @ 10 AM Done Logging @ ~1 PM			Micro-Resistivity (1) single pass
						~3 hours

	DRILI	STEM TES	ST REP	ORT				
RILOBITE	Griffin Mar	nagement, LLC		32-2	29s-15w	Pratt M	(S	
ESTING	1.0. Dox c			RE	<b>4</b> #1			
	Pratt KS 6	57124		Job	Ticket: 66	6760	DST	'#: 1
NOK.	ATTN: E	Felts		Test	Start: 20	21.01.06	@ 02:11:5	9
GENERAL INFORMATION:	•							
Formation:FT Scott/ UpDeviated:NoWhipTime Tool Opened:05:31:29Time Test Ended:11:00:59		ft (KB)		Test Test Unit	er: I	Conventic Vlatt Smith 58		Hole (Initial)
Total Depth: 4640.00 ft (	<b>Fo 4640.00 ft (KB</b> KB) (TVD) hesHole Condition:			Refe	erence ⊟e KB t	evations: o GR/CF:	2024.	00 ft (KB) .00 ft (CF) .00 ft
Start Date: 2021			2021.01.06 11:00:59	Capacity: Last Calit Time On I Time Off	o.: Btm: 2		8000. 2021.01. 6 @ 05:24: 6 @ 08:05:	:44
FF: Stror	Blow . Built to 1 1/8" g Blow . B.O.B. in 1 r			o 52.01".				
Pre <b>X</b> <b>5</b> 33 Flessure	ssure vs. Time	7		PF	RESSUR	RE SUM	MARY	
		- 100 - 100 - 100 - 100 - 100 - 00 - 00	50	Pressure (psig) 2284.77 71.88 97.18 1082.88 92.74 165.96 933.90 2254.06		Open To Shut-In( End Shu Open To Shut-In( End Shu	dro-static 9 Flow (1) 1) t-ln(1) 9 Flow (2) 2)	
Rec	overy			ļļ	Ga	s Rates		
Length (ft) Descr	ption	Volume (bbl)			Choke (i	nches) Pre	ssure (psig)	Gas Rate (Mcf/d)
120.00 GOCM 60%g 25%	60 15%m	0.91			•			
60.00 GOCM 55%g 33%		0.51						
128.00 GOCM 50%g 25%		1.80						
132.00 GOCM 60%g 39%	60 1%m	1.85						
0.00 G.T.S 100%g		0.00						
		_ <b>  </b>						

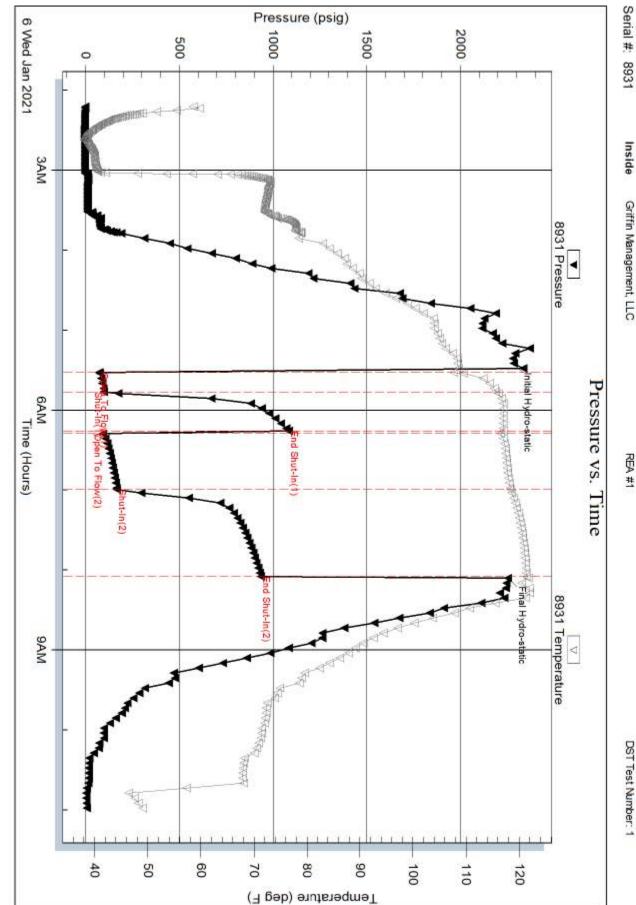
RILOBITE	DRILL STEM TES	T REPO	DRT				
	Griffin Management, LLC		32-29s-15w Pratt KS				
TESTING, IN	P.O. Box 347		<b>REA #1</b>				
	Pratt KS 67124		Job Ticket: (	66760	DST#:1		
NOW .	ATTN: Eli Felts		Test Start: 2	2021.01.06 @	02:11:59		
GENERAL INFORMATION:							
Formation:FT Scott/ Upper CDeviated:NoWhipstock:Time Tool Opened:05:31:29Time Test Ended:11:00:59	ner ft (KB)		Test Type: Tester: Unit No:	Conventiona Matt Smith 68	al Bottom Hole (Initial)		
Interval:4594.00 ft (KB) ToTotal Depth:4640.00 ft (KB) (Hole Diameter:7.88 inches Hole			Reference E KE	evations: to GR/CF:	2034.00 ft (KB) 2024.00 ft (CF) 10.00 ft		
Serial #: 8788OutsidePress@RunDepth:psigStart Date:2021.01.06Start Time:02:11:52	End Date:	2021.01.06 11:00:47	Capacity: Last Calib.: Time On Btm: Time Off Btm:		8000.00 psig 2021.01.06		
	v. B.O.B. in 1 min. Built to 200.47". cl w. B.O.B. in 11 mins after Bleed Off Time	G.T.S. Built to	PRESSL	IRE SUMM			
STR Pesure 578 Pe		Time (Min.)	Pressure (psig) (deg F		on		
Recovery			G	as Rates			
Length (ft) Description	Volume (bbl)		Choke	(inches) Press	ure (psig) Gas Rate (Mcf/d)		
120.00 GOCM 60%g 25%o 15							
60.00 GOCM 55%g 33%o 129							
128.00 GOCM 50%g 25%o 25%							
132.00 GOCM 60%g 39%o 1%							
0.00 G.T.S 100%g	0.00						
	Bef No: 66760			4. 2021 01 06			

CIAN I RIL	.OBITE STING , INC		LL STEM TEST REPOI			LUID SUMMAR		
難 丁		Griffin	Griffin Management, LLC 32-29s-15w Pratt KS					
	STING, NO			<b>REA #1</b>				
		Pratt K	S 67124	Job Ticket:	66760	DST#: 1		
N94 .		ATTN:	Eli Felts	Test Start: 2021.01.06 @ 02:11:59				
lud and Cushion	Information							
lud Type: Gel Chem	ı		Cushion Type:		Oil API:	deg AP		
lud Weight: 9	9.00 lb/gal		Cushion Length:	ft	Water Salinity:	6600 ppm		
	1.00 sec/qt		Cushion Volume:	bbl				
/ater Loss: 8	3.79 in³		Gas Cushion Type:					
esistivity: 6600	).00 ohm.m		Gas Cushion Pressure:	psig				
alinity: Iter Cake: 0	ppm ).20 inches							
ecovery Informa								
			Recovery Table					
	Leng		Description	Volume bbl				
		120.00	GOCM 60%g 25%o 15%m	0.91	4			
		60.00	GOCM 55%g 33%o 12%m	0.50				
		128.00	GOCM 50%g 25%o 25%m	1.79	6			
		132.00	GOCM 60%g 39%o 1%m	1.85	2			
		0.00	G.T.S 100%g	0.00	0			
	I		· · · · · · · · · · · · · · · · · · ·		_			
	Total Length:	440	0.00 ft Total Volume: 5.070 h	bbl	_			
	Total Length: Num Fluid Samp		•		#: NONE			
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 H Num Gas Bombs: 0	Serial #				
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
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	Num Fluid Samp Laboratory Nan	oles:0 ne:	0.00 ft Total Volume: 5.070 f Num Gas Bombs: 0 Laboratory Location:	Serial #				
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Printed: 2021.01.06 @ 16:10:22

Ref. No: 66760



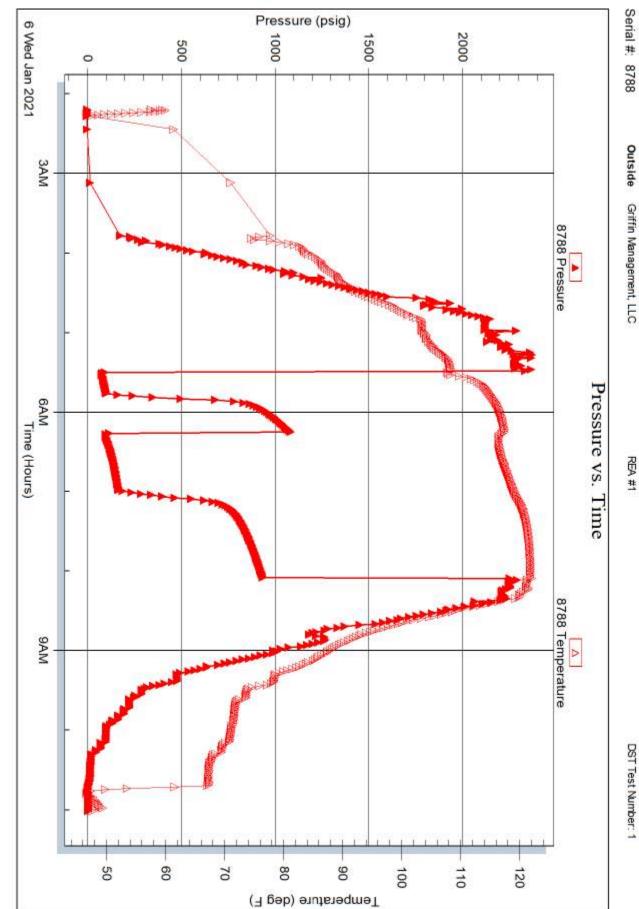


REA #1

Printed: 2021.01.06 @ 16:10:25

Ref. No: 66760





DST Test Number: 1

## 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

7566

<i></i>	Sec.	Twp.	Range	(	County	State	On Location	Finish		
Date 21	32	295	15W	t	RAFF	Ks.				
Lease REA	w	/ell No. <sup>µ</sup>	\$ ·	Locatio	on Cest	TKS S-	to 110th ST	1E to 13014		
Contractor WW Dala Zig 1/4 Mur Fin					Owner S to Taul Bittery Wisinto					
Type Job SURFACE						ell Service, Inc.	cementina equipmen	it and furnish		
Hole Size 12/4 T.D. 264				cementer an	d helper to assist owr	ner or contractor to d	o work as listed.			
Csg. 35/3 24" Depth 263"				Charge Guden						
Tbg. Size Depth				Street						
Tool Depth			City State							
Cement Left in Csg.		Shoe Jo	oint 15 1			s done to satisfaction ar		agent or contractor.		
Meas Line		Displace	· 15.77		Cement Amo	ount Ordered 290 c	K COMMON	<u>.</u>		
·····	EQUIPM	IENT			21. GeL	3% CC 121,	21			
Pumptrk & No.					Common Z	30				
Bulktrk / No.					Poz. Mix					
Bulktrk No.					Gel. 🍝	264		-		
Pickup No.					Calcium 790 <sup>1/</sup>					
JOB SE	RVICES	& REMA	RKS		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					
Ly 6-11: 85/B	2440	<u>36 S</u>	<u>ET ) 263</u>	3 (	Sand					
START CSG CSG O	N BO	40m			Handling 30/					
Hoot up to CSG :	BREI	sk icin	c while	S	Mileage 25/ 7525					
STATE- BominG 10 BALCHES					ලර/ය FLOAT EQUIPMENT					
STAT MK! Br	280 0	2 Comos	J	Guide-Shore 3573 WOODEN Plu 6,						
21/61 31/104	51	4.84Gri		Centralizer Plus Cont.						
SHUT DOWN RE	- 851	3 WanEr	PISA	Baskets						
STAR DISA				AFU Inserts						
15.77 BLIDAL P	OWN			Float Shoe						
CLOSE VALVE ON (SG 150+					Latch Down					
Good an the Jos					SERVICE SUDVI EA					
CIEL CUITTO PIT					LMV 25					
					Pumptrk Charge Suzface					
THANK YOU					Mileage 50	>				
PLEASE CALLAKAIN					Tax					
Too Milli	MATT			Discount						
X Signature					Total Charge					

# QUALLY WELL SERVICE, INC.

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

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

		Sec.	Twp.	Range	0	County	State	On Location	Finish	
	Date 1-8-12	32	295	ISW	P	PATT	Ks .			
	Lease REA	Pase REA Well No. 41 Location HUNSY! CROFT BIKTOP 5-to 110th.								
		ela Rigit 14 Murtin				Owner   EA to 135th 1/2 & to Thank Battley Wisinto				
	Type Job L S Hole Size 77/8 T.D. 4860'					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.				
÷	Csg. 5/2 151	Depth 4847			Charge GRiffux Street City State					
	Tbg. Size Depth									
	Tool	Depth								
	Cement Left in Csg.		Shoe Jo	int 19.48	8-	The above wa	as done to satisfaction a	nd supervision of owner	agent or contractor.	
	Meas Line Displace 114.89					ount Ordered 175				
		EQUIP	MENT			10% SAIT	5 H/SK KOSIEAL	7'1. CIGA .25%	C41P 25 PS	
	Pumptrk & No.					Common ]	7.5	<u></u>		
	Bulktrk 15 No.					Poz. Mix				
	Bulktrk No.					Gel32	9#			
	Pickup No.					Calcium				
	JOB SE	RVICES	& REMA	RKS		Hulls				
	Rat Hole 33 St					Salt 964 "				
	Mouse Hole ZOS			•	•	Flowseal 44 th				
	Centralizers 1-2-3-	4-5-	6-7			Kol-Seal 975 H				
	Baskets	<u></u>				Mud CLR 48 500 GAL				
	D/V or Port Collar					1	CD110 CAF 38	17		
{	Kon His Sh	- 15!	57256	SET 24	347_	Sand CC-19 CAIP 41H				
	STATECSG ESEO	N Be	Hom	Hookip-	10	Handling 178				
	CSGE BREAK Ciz			DRSP Ball (		Mileage Z S				
	STAR REMAING 10 Bbls HZ3 12 BUIME 10 Bbly 1/2.									
	STAT FISG R-MHOTES SOSL					Guidestor I BA HEAD & MAN do ld				
	STAR Mix & Pomp 1255x4 CSG 214.B. Magl									
	SHUT DOWN RELEASESKLD PILLG					Baskets				
	washing tell					AFU Inserts				
	STAT DISD W/2% KEL					Float Shoe   EA				
	Lift psi 1001 out 600 th					Latch Down 1 EA				
	Plug Down 115/2004 1100'					SERVICE SUPV LEA				
	PS: + 1500+					LIMV 25				
	RELEASE HELD 1/2 Bb BACK					Pumptrk Ch				
	GOOD O'ZL thru ITC3						<u></u>		· .	
	THONKYOU TOD							Tax		
	PLEASE COLL DGAIN MILLEMATT							Discount		
	Signature	#+	2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 	~~~		<u> </u>		Total Charge	Taylor Printing, Inc.	
		r⊯/ \								