KOLAR Document ID: 1322621

Confident	tiality 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	- DESCRIP	WFII &	I FASE
	Instont		$\mathbf{W} \mathbf{L} \mathbf{L} \mathbf{L} \boldsymbol{\alpha}$	LLASL

OPERATOR: License #	API No.:			
Name:	Spot Description:			
Address 1:				
Address 2:	Feet from North / 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.xxxxxx)			
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84			
Purchaser:	County:			
Designate Type of Completion:	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			
$\Box \text{ Cathodic} \qquad \Box \text{ Other (Core Evol. etc.)};$	Multiple Stage Cementing Collar Used? Yes No			
If Workover/Re-entry: Old Well Info as follows:	If yes show depth set:			
	If Alternate II completion cement circulated from:			
	feet denth to: w/ sv cmt			
	w/ w/ w/			
	Drilling Fluid Management Plan (Data must be collected from the Beserve Pit)			
Commingled Permit #:	Chloride content: ppm Fluid volume: bbls			
Dual Completion Permit #:	Dewatering method used:			
SWD Permit #:	Location of fluid disposal if hauled offsite:			
EOR Permit #:	Operator Name:			
GSW Permit #:				
Spud Date or Date Reached TD Completion Date or	Quarter Sec. Iwp. S. 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 III Approved by: Date:				

KOLAR Document ID: 1322621

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	acate)	Y	′es 🗌 No	[og Formatio	n (Top), Depth a	and Datum	Sample
Samples Sent to Geolo	aical Survey		les No	1	Name	Э		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:	Logs	□ Y □ Y □ Y	és ☐ No és ☐ No és ☐ No						
		Rep	CASING ort all strings set-c	RECORD] Ne	w Used	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
[1		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									
 Did you perform a hydra Does the volume of the Was the hydraulic fractu 	aulic fracturing treatme total base fluid of the uring treatment informa	ent on this v hydraulic fr ation submi	vell? acturing treatment tted to the chemic	exceed 350,000 al disclosure regi	gallo stry?	Nes Yes	 No (If No, s No (If No, s No (If No, f 	kip questions 2 ar kip question 3) ill out Page Three	nd 3) of the ACO-1)
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	Wate	er Bb	ls.	Gas-Oil Ratio	Gravity
DISPOSITION	N OF GAS:		N		MPLE	TION:		PRODUCTIO	ON INTERVAL:
Vented Sold (If vented, Subn	Used on Lease		Open Hole	_ Perf C <i>(S</i>	ually ubmit	Comp. Com ACO-5) (Subn	nit ACO-4)		
Shots Per Per Foot	Shots Per Perforation Perforation Bridge Plug Bridge Plug Foot Top Bottom Type Set At		Bridge Plug Set At		Acid,	Fracture, Shot, C (Amount and Ki	ementing Squeezend of Material Used)	Record	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	SPRINGER 3
Doc ID	1322621

Tops

Name	Тор	Datum
Lecompton	3464	-1893
Elgin	3497	-1926
Heebner	3680	-2109
Lansing	3863	-2292
Stark	4250	-2679
Base KC	4331	-2760
Mississippian	4419	-2848
Kinderhook	4613	-3042
Viola	4718	-3147
Simpson Sand	4814	-3243

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	SPRINGER 3
Doc ID	1322621

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
3	4829-4835	250 gal 7.5% MCA	

Form	ACO1 - Well Completion
Operator	Griffin, Charles N.
Well Name	SPRINGER 3
Doc ID	1322621

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	254	Common	180	3%cc, 2% gel, 1/4#cf
Production	7.875	5.5	15.5	4934	AA2	175	10%salt, .5#cfr2, 5#gilsonit e, 3% Mag Chem 10cr



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10244 NE Hwy. 61 P.O. Box 8613 Pratt, Kansas 67124 Phone 620-672-1201



FIELD SERVICE TICKET 1718 14678 Α

2	5			5 (K. 2)	Q.,		DATE	TICKET NO		
DATE OF 10 - ZE	-160	DISTRICT PIATT	-	-			PROD INJ			OMER ER NO.:
CUSTOMER CALL	61-8N	MANAGEMIN	٢		LEASE 5	Pril	19 e-		v	/ELL NO. 3
ADDRESS		14.g.1			COUNTY	BAri	311	STATE	1.1	
CITY	· ·	STATE			SERVICE CF	REW /4	ATPAL	EINAKlin	W.	llic .
AUTHORIZED BY					JOB TYPE:	ZH	2 85/8	- SLIVE	a up	
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQU	JIPMENT#	HRS	TRUCK CALL	ED 10-25-	PATE	AM TIME
1784JX	• 5						ARRIVED AT	JOB		AM 9:20
19862 ×	.24	· ·		345			START OPER	ATION		翩 11:38
							FINISH OPER	ATION	-	圖 11:50
		2 2			•		RELEASED	10-7	26.16	AMD R: JU
						_	MILES FROM	STATION TO W	ELL	3.5

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered). The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP. 1

SIGNED: XLADO (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUN	1T
CP 100	COMMUN	54	180		2.880	US
					7	
((109	Calcium Chlorip-	112	240	-	357	UJ
60102	C-110K-117-V-	16	46		170	20.
	· .					·4
Eluu	P.M. MILCO	Mi	35		157	50
EIN	LAXY CU. MILI	ni	70		525	UU
E113	PIOP + bulk bel.	TM	298		743	75
C.e. 200	Left's Chiriye U-SUUT	441			1,000	00
6-240	blend + nix	541	180		252 .	20
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СНЕ	MICAL / ACID DATA:			SUB TOTA	6,260	45
6	SERVIC	E & EQUIPMENT	%TA	X ON \$		
	MATER	IALS	%TA	X ON \$	1	
·			•	ΤΟΤΑ		65
				116	1),503	0)
SERVICE REPRESENTATIV	E MIKE Mattal ORDERED BY CUSTON	AND SERVICE	ову:ХИй	att. Br	Onna.1.	· ·

FIELD SERVICE ORDER NO.



n Nedalar Kara

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TREATMENT REPORT

Taylor Brinting, Inc. 620-672-3656

Customer (aliffer	MANA	Ge Man-L	ease No.				Date	1.15	20	2 1	(
Lease	SPrin	5-01	V V	Vell #	3				10	-7	5-1	0	
Field Order-	TK Static	on PIAT	<u>т</u>	i,	Casing	8 5/2 Depth	254	County	13 AI	1B-1		State	K,
Type Job	Z47	851	8 541	rAi	r · · ·	Formation			1	egal De	scription 3	¥= 3	2-12
PIP	E DATA	PER	FORATING	DATA	FLUID	USED			TREATM	AENT F	RESUME		
Casing Size	Tubing S	ize Shots/	Ft		Aciding	KU SK	- Cuc	RATE	PRESS	i ce	ISIP/ #	(6	
Depth 54	Depth	From	То		Pre-Pad		Max		-/		5 Min.		
Volume, 2	Volume	From	То		Pad		Min				10 Min.	•	
Max Press	Max Pres	ss From	То		Frac	÷ .	Avg				15 Min.		
Well Sonnecti	on Annulus	Vol. From	То				HHP Used		~		Annulus Pr	essure	
Plug.Depth	Packer D	From	То		Flush 15	. 2	Gas Volum	ne	:		Total Load		• •
Customer Rep	oresentative	Chuc	4	Station	Manager 17-2	Vin Gu	Olty	Trea	ter M	, Ke	Mam	- 91	•
Service Units	37586		834981	1984	13	70959	19862		_		1		. *
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	B	AE GY S	SIC ervices	10244 P.O. Pratt Phon	4 NE H Box 86 , Kansa e 620-6	wy. 61 13 as 67124 72-1201	Drus (a)	8189 ·	FI 17	eld sef 718	NICE T L387	icket A	
	PRESSURE	PUMPING	& WIRELINE	34	- 32	2-12	- 2.03.y.		DATE	TICKET I	NO		
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den der			· / * -		_			·	MILES FRO	M STATION	TO WEL	L 40	к. ¹
TEM/PRICE REF. NO.	[[]	MATE	RIAL, EQUIPN	IENT AN	ND SERV	VICES USI	ED	UNIT	QUANTITY		PRICE	\$ AMOU	NT
<u>CP105</u>	AD2	Cer	nen+					SK	175-			4,975	10
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F1250	Dudo	Fill	Flogt	Shoe	5/2	Blue		Eg	1 .			330	
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SERVICE REPRESENTATIV	VE DE	2in P	Film	TI O	HE ABOY RDEREE	VE MATER D BY CUS	RIAL AND SERV	ICE ECEIVED	ын: Ah	adic	12		
FIELD SERVICE	ORDER NO							(WELL O	WNER OPERAT	OR CONTRA	ACTOR OR-	AGENT	•



TREATMENT REPORT

Customer	n Ingn	95e	men	j.	L	ease No.	- 					Date	1	10	1	
Lease Sp	rinser				N	Vell # _3	2	7	-				10	130	120	16
Field, Order #	# Statio	on P	5962	iKS				Casing 3	1/2	Depth	4935	County	B	scher		State ICS
Type Job	24	2	-6	on	G	571	20	WC	Foi	mation	TD-L	1935	5	Legal De	scription g	34-32-1
PIP	E DATA	•	PER	FORAT	ING	DATA		FLUID L	JSED			٦	REA	TMENT I	RESUME	
Casing Size	Tubing S	lize	Shots/F	=t			Acio	1				RATE	PRE	SS	ISIP	74,
Depth4935	- Depth		From		То	.)	Pre	Pad			Max				5 Min.	San 15
Volume/16	Volume		From		То	5	Pad				Min				10 Min.	
Max Press	Max Pres	ss	From		To		Frac	;			Avg				15 Min.	• • • • •
Well Connection	on Annulus	Vol.	From		То						HHP Used	4			Annulus	Pressure
Plug Depth	Packer D	epth	From		То		Flus	h2%KC	1.Lh	Stor	Gas Volun	ne			Total Loa	d
Customer Rep	presentative	Dn	iby			Station	Mana	iger Kevi	nG	ordi	ey.	Trea	ter \mathcal{D}	Grin	Fran	Clin
Service Units	92911	84	981	1984	3	7095	9	19862			,					
Driver Names	Derin	mc	6100	mcbia	د ،:	ldgnso.	nt	Isnson								
Time	Casing Pressure	Ti Pre	ubing essure	Bbls.	Pum	ped	1	Rate			•		Servi	ce Log		
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C	ompany: Address:	Charles N. G PO Box 347 Pratt KS 671	OPERATOR riffin 24-0347			
Contact G Contact Ph	eologist: one Nbr:		24-0347			
vve l	ell Name: Location: Pool: State:	#3 Springer Section 34-32 Kansas	2S-12W	API: Field: Country:	15-007-24308 Toni-Mike USA	
		Sc	ale 1:240 Imperia			
We Surface I Bottom I	Location:	#3 Springer Section 34-32	2S-12W			
License Sp	Number: oud Date: Region:	10/25/2016 Barber Count	v	Time:	4:15 PM	
Drilling Co Surface Coo Bottom Hole Coo	mpleted: rdinates: rdinates:	10/30/2016 379' FSL & 22	217' FEL	Time:	3:00 AM	
Ground E K.B. E Logged	levation: levation: Interval:	1566.00ft 1571.00ft 3400.00ft		To:	4930.00ft	
Fc Drilling Flu	ar Depth: prmation: uid Type:	Chemical (Mu	udCo)			
W	ell Type:	SURF/ Vertical	ACE CO-ORDINA	TES		
N/S E/W	Singitude: Si Co-ord: / Co-ord:	379' FSL 2217' FEL		Lanuude.		
		TER	RAT	ECH		
C	ompany:	ENERG TerraTech En	Y SERVIC	E, LLC		
	Address:	1632 S. West Wichita, KS 6	5t. Suite 12 57208			
Pn Lo	gged By:	Geologist		Name:	Bruce Reed	
Co	ontractor: Rig #: Rig Type:	WW Drilling 8 mud rotary	CONTRACTOR			
Sp Rig	oud Date: TD Date: Release:	10/25/2016 10/30/2016 10/31/2016		Time: Time: Time:	4:15 PM 3:00 AM 3:15 AM	
K.B. E K.B. to	levation: Ground:	1571.00ft 5.00ft	ELEVATIONS Grou	und Elevation:	1566.00ft	
Surface Casing: Production Casing:	8	-5/8" at 254'	NOTES			
Production Casing.	J.	-1/2 at 4934				
Dany renetration.	10 10 10 10 10 10	0/25/16 0/26/16 0/27/16 0/28/16 0/29/16 0/30/16 0/31/16	254' 2297' 3895' 4818' 4930' RTD @ 3 4930' Rig Relea DRILL STEM T	8:00 AM ased @ 3:15 AM TEST	М	
DST #1 4790'-4818'. first flow period. Fair Recovered: 70' SOW	Simpson blow, bui CM (5% o (45" 524#	Sand. Fair blo ilt to BOB in 2 oil, 5% water,	w, built to BOB 22 minutes during 90% mud).	in 20 minutes d g the second flo	luring the ow period.	
II 1750 22-57#, ISH7	43 324π	, 11750 57-5	2π, PSH 700 02			
Formation	Log Top	Datum	Sample T	op Datum	Comparison*	
Lecompton Elgin	3464' 3497'	-1893 -1926	3465' 3497'	-1894 -1926	-6 -6	
Heebner Lansing Stark	3680' 3863' 4250'	-2109 -2292 -2679	3682' 3863' 4249'	-2111 -2292 -2678	-9 +3 -7	
Base KC Mississippian Kinderbook	4331' 4419' 4613'	-2760 -2848 3042	4331' 4416' 4608'	-2760 -2845 3037	-4 -4 flat	
Viola Simpson Sand	4013 4718' 4814'	-3042 -3147 -3243	4008 4713' 4811'	-3037 -3142 -3240	-1 -4	
TOTAL DEPTH:	4935'	-3364	4930'	-3359		
Reference well: Charl Kansas	les N. Gri	ffin, #1 Spring	er, 990' FSL / 2,	310' FWL, Sec	tion 34-32S-12W	Barber County
The second bench of the	Simpson S	Sand in the Tex	aco offset well wa	s recorded at 482 830' to 4836' (-3	22' to 4831' (-3266 to	-3275)
		, "S opringer "			257 to 5205).	
			ROCK TYPES			
Cht Lmst fw7>	shale	e, gry [:-:-::: oon Sh	•::- Ss			
INERAL Dolomitic Sandy Chert White Argillaceous/Shale		1	ACCESSORIES			
ITERVALS	ow	о [.] О	THER SYMBOLS			
Core © Good DST © Fair S O Poor O Sport	d Show Show Show ted or Trace	DST In DST a Core	nt It			
O Ques D Dead ■ Fluor ★ Gas	stionable Stn I Oil Stn rescence	car pip				
Curve Track #1				Printed by GEO	strip VC Striplog version	4.0.7.0 (www.grsi.ca) TG, C1 - C5 (units)
Gamma (API)					C1 (units) C2 (units)	





DRILL STEM TEST REPORT

Prepared For: Charles N Griffin

PO Box 347 Pratt, KS 67124

ATTN: Bruce Reed

Springer #3

34-32S-12W Barber,KS

 Start Date:
 2016.10.29 @ 10:18:31

 End Date:
 2016.10.29 @ 18:16:31

 Job Ticket #:
 57965
 DST #:
 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

	DRILL STEM TES	T REP	ORT			
	Charles N Griffin		34-3	2S-12W B	arber,KS	
ESTING , INC	PO Box 347		Spri	nger #3		
	Fiall, NO 07 124		Job T	icket: 57965	DST#: 1	
	ATTN: Bruce Reed		Test S	Start: 2016.	10.29 @ 10:18:31	
GENERAL INFORMATION:						
Formation:SimpsonDeviated:NoWhipstock:Time Tool Opened:14:26:16Time Test Ended:18:16:31	ft (KB)		Test ⁻ Teste Unit N	Type: Conv er: Leal No: 74	ventional Bottom Hole Cason	(Initial)
Interval: 4790.00 ft (KB) To 48	318.00 ft (KB) (TVD)		Refer	rence Elevati	ons: 1571.00 f	t (KB)
Total Depth: 4818.00 ft (KB) (TV Hole Diameter: 7 88 inches Hole	/D) Condition: Good			KB to G	1566.00 f	t (CF)
					voi. 0.00 l	
Serial #: 8159 Inside	@ 4701.00 ft (KD)		Conceitre		9000 00 -	
Start Date: 2016.10.29	End Date:	2016.10.29	Last Calib.	:	2016.10.29	JSIG
Start Time: 10:18:32	End Time:	19:16:31	Time On Bi	tm: 2016	6.10.29 @ 14:25:46	
			Time Off B	8tm: 2016	5.10.29 @ 17:12:16	
TEST COMMENT: IF: Fair Blow , BC ISI: No Blow Bac FF: Fair Blow , Br FSI: No Blow Ba)B in 20 minutes k OB in 22 minutes ck					
Pressure vs. 1	Time T		PRI	ESSURE	SUMMARY	
		(Min.)	Pressure (psig)	Temp A (deg F)	Innotation	
4		0	2437.76	117.84 Init	ial Hydro-static	
22000		1	21.72	117.75 Op	en To Flow (1)	
		76	524.32	120.77 En	d Shut-In(1)	
		77	37.28	120.79 Op	en To Flow (2)	
		106	51.56	121.01 Sh	ut-In(2)	
		166	620.29 2473.98	122.21 En 123.05 Fin	a Shut-In(2) al Hvdro-static	
12FN 3FN 3FN 3FN 3FN 3FN 3FN 3FN 3FN 3FN 3	674 674					
Recovery				Gas R	ates	
Length (ft) Description	Volume (bbl)			Choke (inches) Pressure (psig) Gas	Rate (Mcf/d)
	0.34					

	DRILL STEM TES	T REPO	ORT	
	Charles N Griffin		34-32S-12W	Barber,KS
ESTING , INC	PO Box 347 Pratt KS 67124		Springer #3	3
	11au, 100 07 124		Job Ticket: 579	965 DST#:1
njodi,	ATTN: Bruce Reed		Test Start: 201	16.10.29 @ 10:18:31
GENERAL INFORMATION:				
Formation:SimpsonDeviated:NoWhipstock:Time Tool Opened:14:26:16Time Test Ended:18:16:31	ft (KB)		Test Type: C Tester: L Unit No: 7-	onventional Bottom Hole (Initial) eal Cason 4
Interval: 4790.00 ft (KB) To 48	18.00 ft (KB) (TVD)		Reference Elev	vations: 1571.00 ft (KB)
Iotal Depth: 4818.00 ft (KB) (IV Hole Diameter: 7.88 inchesHole	/D) e Condition: Good		KB to	1566.00 ft (CF) GR/CF: 5.00 ft
Serial #: 6806OutsidePress@RunDepth:psigStart Date:2016.10.29Start Time:11:20:32TEST COMMENT:IF: Fair Blow , BCISI: No Blow BacFF: Fair Blow , BCFSI: No Blow BacFSI: No Blow Bac	 @ 4791.00 ft (KB) End Date: End Time: DB in 20 minutes k DB in 22 minutes ck 	2016.10.29 19:16:31	Capacity: Last Calib.: Time On Btm: Time Off Btm:	8000.00 psig 2016.10.29
Pressure vs. T	ime		PRESSURI	E SUMMARY
200 100 100 100 100 100 100 100	COD Empondue COD Empondue CO	Time (Min.)	Pressure Temp (psig) (deg F)	Annotation
Recovery			Gas	Rates
Length (ft) Description 70.00 SOWCM 5%O 5%W 90%	Volume (bbl) M 0.34		Choke (in	ches) Pressure (psig) Gas Rate (Mct/d)

		DRI	LL STE	MTEST	REPO	RT	TOOL DIAGRAM
変換して	EODITE	Charles	N Griffin			34-32S-12W Barbeı	r,KS
	ESTING, INC	PO Box Pratt, K	347 S 67124			Springer #3 Job Ticket: 57965	DST#:1
		ATTN:	Bruce Reed			Test Start: 2016.10.29 (@ 10:18:31
Tool Information							
Drill Pipe: Ler Heavy Wt. Pipe: Ler Drill Collar: Ler Drill Pipe Above KB: Depth to Top Packer: Depth to Bottom Packer Interval betw een Pack Interval betw een Pack Tool Length: Number of Packers: Tool Comments:	ngth: 4664.00 ft ngth: 0.00 ft 118.00 ft 4790.00 ft ter: ft tkers: 28.00 ft 54.00 ft 2	Diameter: Diameter: Diameter: Diameter:	3.80 ind 0.00 ind 2.25 ind	ches Volume: ches Volume: <u>ches Volume</u> : Total Volume:	65.42 bbl 0.00 bbl 0.58 bbl 66.00 bbl	Tool Weight: Weight set on Packer Weight to Pull Loose: Tool Chased String Weight: Initial Final	2100.00 lb 25000.00 lb 70000.00 lb ft 52000.00 lb 52000.00 lb
Tool Description	Ler	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool		5.00			4769.00		
Hydraulic tool		5.00			4774.00		
Jars		5.00			4779.00		
Safety Joint		2.00			4781.00		
Packer		5.00			4786.00	26.00	Bottom Of Top Packer
Packer		4.00			4790.00		
Stubb		1.00			4791.00		
Recorder		0.00	8159	Inside	4791.00		
Recorder		0.00	6806	Outside	4791.00		
Perforations		24.00			4815.00		
Bullnose		3.00			4818.00	28.00 Bo	ottom Packers & Anchor

Total Tool Length: 54.00

	DR	ILL STEM TEST REPORT	-	I	FLUID SUMMARY
	Charle	es N Griffin	34-328-12	W Barber,KS	3
I ESTING, IN	PO Bo Pratt, I	x 347 KS 67124	Springer a	#3 7965	DST#·1
	ATTN:	Bruce Reed	Test Start: 2	:016.10.29 @ 10	D:18:31
Mud and Cushion Information	ļ				
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal Viscosity: 54.00 sec/qt Water Loss: 9.19 in ³ Resistivity: ohm.m Salinity: 4500.00 ppm Filter Cake: 0.02 inches		Cushion Type: Cushion Length: Cushion Volume: Gas Cushion Type: Gas Cushion Pressure:	ft bbl psig	Oil API: Water Salinity:	deg API ppm
Recovery Information		Decoupy Table			
Ler	gth	Description	Volume	1	
f	70.00	SOWCM 5%O 5%W 90%M	bbl 0 344	 L	
Total Length:	70	0.00 ft Total Volume: 0.344 bbl		4	
Laboratory Na Recovery Cor	me: nments:	Laboratory Location:			

Printed: 2016.10.31 @ 10:27:20

Ref. No: 57965





Springer #3

Inside

Charles N Griffin

DST Test Number: 1

Printed: 2016.10.31 @ 10:27:20

Ref. No: 57965





Springer #3

DST Test Number: 1

4/10 RILOBITE ESTING INC. 1515 Commerce Parkway	• Hays, Kansas 67601	Test Tick NO. 5798	et 65
Well Name & No. <u>Springer 3</u> Company <u>Charles N. Grittin</u> Address <u>PO Box 347 prot</u> Co. Rep/Geo. <u>Bruce Reed</u>	Test No. Elevation Ti, KS 67/24 Rig_W	1 Date 10 1571 KB 1 1W 8	0/29/16 1566 GL
Location: Sec. 37 Twp. 325 Interval Tested 4790 $ 4717$ Anchor Length 28 Top Packer Depth 4785 Bottom Packer Depth 4790 Total Depth 4318 Blow Description $IF: Fair Blow, BOB$ $TSI: NO$ $Blow Back$	Rge. 12w Co. Down Zone Tested Simpson Drill Pipe Run 1 Drill Collars Run 1 Wt. Pipe Run 1 Chlorides 1 Sin 20 min stress	Image: State State 1/8 Mud Wt 1/8 Vis 0 WL ppm System LCM	9.3 5-4 5
FF:Fair BlowBGB in 22 min FST:NOBlowBackRec70Feet ofRecFeet ofRec TotalZOBHT123(A) Initial Hydrostatic24138(B) First Initial Flow22(C) First Final Flow37(D) Initial Shut-In524(E) Second Initial Flow37(F) Second Final Flow52(G) Final Shut-In620(H) Final Hydrostatic2474	%qas %gas %gas <t< td=""><td>5 %oil 5 %v %oil %v %oil</td><td>vater 90 %mud vater %mud vat</td></t<>	5 %oil 5 %v %oil %v %oil	vater 90 %mud vater %mud vat
Initial Open 30 Initial Shut-In 45 Final Flow 30 Final Shut-In 60 Approved By Aud	 Shale Packer Extra Packer Extra Recorder Day Standby Accessibility Sub Total Our Representation 	Ruined Packer Ruined Packer Extra Copies _ Sub Total0 Total1595 MP/DST Disc't _	×

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