#### KOLAR Document ID: 1429838

Confiden	tiality Re	quested:
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:, Long:
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:
Oil WSW SWD Gas DH EOR	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 #:	
SWD         Permit #:	Location of fluid disposal if hauled offsite:
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 Reached TD Completion Date of 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: 1429838

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 (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		Gravity		
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.     Commingled       (Submit ACO-5)     (Submit ACO-4)		Bollom		
	foration Perform Top Botto					Acid,		ementing Squeezend of Material Used)	
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion	
Operator	Griffin, Charles N.	
Well Name	MILLS 2	
Doc ID	1429838	

Tops

Name	Тор	Datum
Heebner	3611	-1952
Douglas Sand	3756	-2097
Brown Lime	3784	-2125
Lansing	3806	-2147
Base KC	4217	-2558
Viola	4351	-2692
Simpson	4479	-2820
Simpson Sand	4485	-2826
Arbuckle	4587	-2928

Form	ACO1 - Well Completion	
Operator	Griffin, Charles N.	
Well Name	MILLS 2	
Doc ID	1429838	

## 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	260	Common		2% Gel 3% CC
Production	7.875	5.5	15.5	4653	Poz C	250	2% Gel

Company: Address:	<b>OPERATOR</b> Charles N. Griffin PO Box 347 Pratt, KS 67124-0347				
Contact Geologist: Contact Phone Nbr: Well Name: Location: Pool: State:	#2 Mills Section 9-31S-14W Kansas	API: Field: Country:	15-007-24337 Skinner USA		
Scale 1:240 Imperial					
Well Name: Surface Location: Bottom Location: API: License Number:	#2 Mills Section 9-31S-14W 15-007-24337				
Spud Date: Region:	8/17/2018 Barber County	Time:	8:30 PM		
Drilling Completed: Surface Coordinates: Bottom Hole Coordinates:	8/25/2018 660' FNL & 330' FWL	Time:	9:00 AM		
Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1654.00ft 1659.00ft 3500.00ft 4650.00ft Chemical (MudCo)	To:	4650.00ft		

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[	SUDEA	CE CO-ORDINATES
Well Type: Longitude: N/S Co-ord: E/W Co-ord:	Vertical 660' FNL 330' FWL	Latitude:
	L	OGGED BY
	I CRI	A A A A A A A A A A A A A A A A A A A

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Company Address		Energy Service LLC. est St. Suite 12 8 67208	
Phone Nb Logged By		59 Name	e: Bruce Reed
		CONTRACTOR	
Contractor Rig #	: 4		
Rig Type		<b></b>	
Spud Date TD Date		Time Time	
Rig Release		Time	
		ELEVATIONS	
K.B. Elevation K.B. to Ground		Ground Elevation	n: 1654.00ft
(		NOTEC	
Surface Casing: Production Casing:	8-5/8" at 260' 5-1/2" at 4653		
Daily Penetration:	08/17/18 08/18/18	Spud @ 8:30 PM 260'	

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Dany reneuration:	U0/1//10	spua w s.su rivi
	08/18/18	260'
	08/19/18	2110'
	08/20/18	3250'
	08/21/18	3790' Twisted off @ 3867'
	08/22/18	3868'
	08/23/18	4207'
	08/24/18	4440'
	08/25/18	4600' Drilling completed @ 9:00 AM
	08/26/18	4730' Rig released @ 5:00 PM

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#### DRILL STEM TESTS

DST #1 4395' to 4440' Viola. Strong blow, BOB in 30 seconds during the initial flow period. Strong blow, BOB immediately during the second flow period. Recovered: 2,300 GIP, 55' GOCM (10% Gas, 10% Oil, 80% mud). IFP: 30" 21-35 psi, ISIP: 60" 648 psi, FFP: 45" 23-38 psi, FSIP: 90" 365 psi

#### FORMATION TOPS

Formation	Sample Top	Datum	Log Top	Datum	Comparison*

Formation	Sample Top	Datum	Log Top	Datum	Comparison*
Heebner	3611'	-1952	3611'	-1952	-18
Douglas Sand	3756'	-2097	3757'	-2098	-14
Brown Lime	3784'	-2125	3785'	-2126	-12
Lansing	3806'	-2147	3807'	-2148	-12
Base KC	4217'	-2558	4217'	-2558	-13
Viola	4351'	-2692	4353'	-2694	-21
Simpson	4479'	-2820	4477'	-2818	+2
Simpson Sand	4485'	-2826	4484'	-2825	+5
Arbuckle	4587'	-2928	4486'	-2927	DNP
*National Crude, a Barber County, Ka		s , NE SW N	W Section 9-31	S-14W	
	For the second se				

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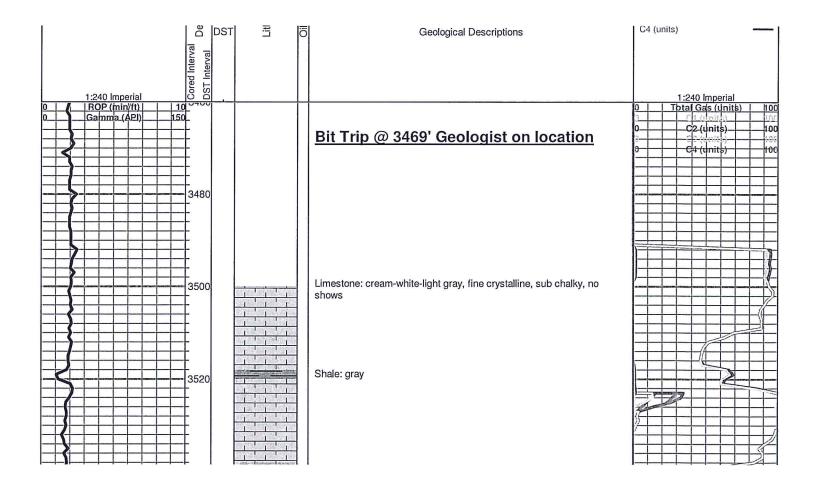
### FORMATION TOPS

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<u></u>			
		ROCK TYPES	
Cht	h Lmst fw7>	Carbon Sh	
·			
		ACCESSORIES	
MINERAL → Dolomitic → Chert White ■ Argillaceous/Shale			
		OTHER SYMBOLS	
INTERVALS ■ Core ・ DST	Oil Show © Good Show © Fair Show © Poor Show © Spotted or Trace © Questionable Stn D Dead Oil Stn ■ Fluorescence * Gas	DST I I I I I I I I I I I I I I I I I I I	
		Printed by GEOstrip	p VC Striplog version 4.0.7.0 (www.grsi.ca
Curve Track #1 ROP (min/ft) Gamma (API)			TG, C1 - C5 Total Gas (units)
	Depth   Intervals		C2 (units)
	Depth   In Lithology Oil Show		C3 (units)
		Geological Descriptions	C4 (units)

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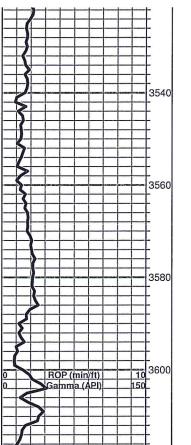


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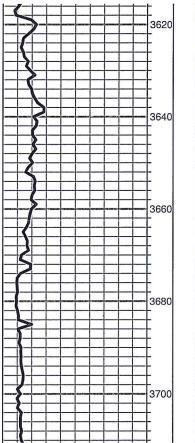
Limestone: cream-white, fine crystalline, trace chalky material, no shows

Limestone: cream-light gray, trace pinpoint porosity, no shows

Shale: vari-colored, mostly gray, some black

(-1952) Heebner 3611' Shale: black, carbonaceous, fissile, bleeds gas

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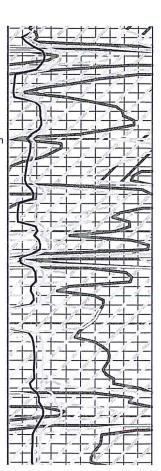
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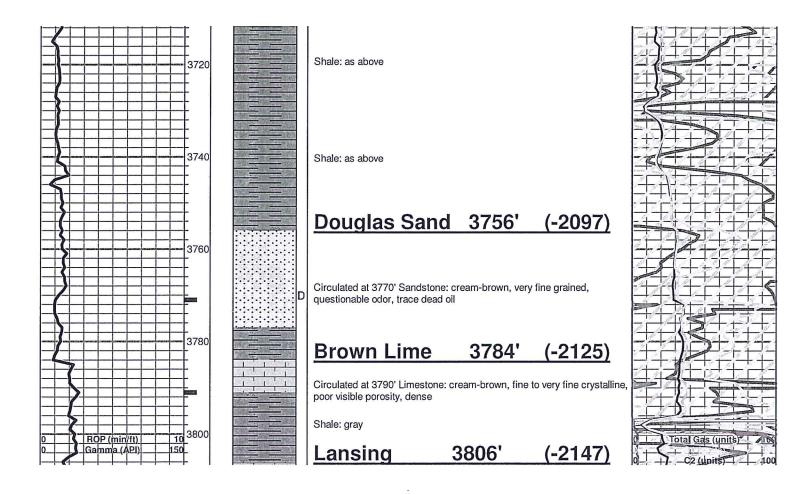


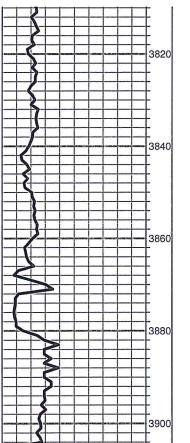
Limestone: cream-medium to light tan, fine crystalline grades to medium crystalline, sub chalky, no shows

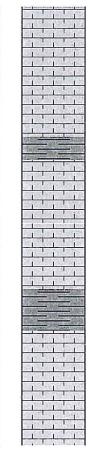
Limestone: cream-white-chalky

Shale: dark-medium gray-brick red









Limestone: cream-light tan-brown, fine crystalline, very slightly fossiliferous, poor to no visible porosity, dense

Shale: gray

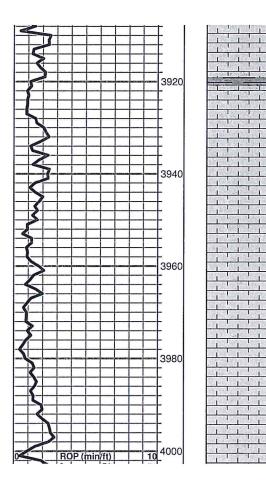
Limestone: more cream-light tan, fine crystalline, dense

## Twisted off @ 3867'

Shale: gray-green

Limestone: cream, fine crystalline to fossiliferous, rare pinpoint porosity, no shows

Depth	3836'
Mud Weight Funnel Viscosity API Filltrate Chloride	9.2 52 9.6 6,000
Alto-	



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Shale: gray

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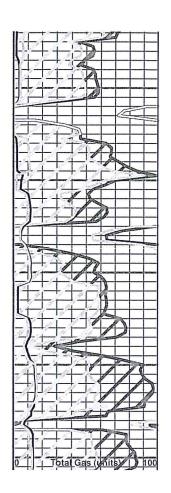
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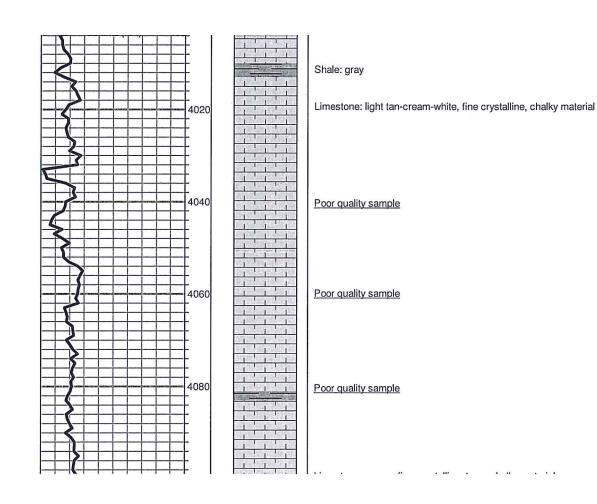
Note: sample carrying abundant shale

Poor quality sample

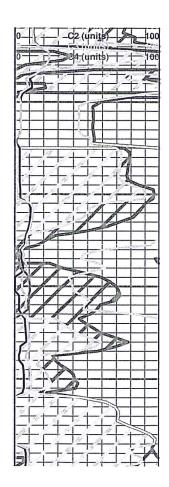
Poor quality sample

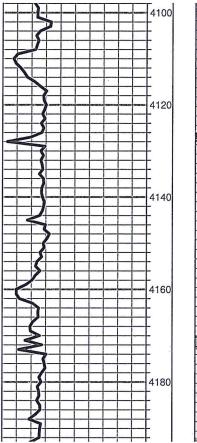
Poor quality sample



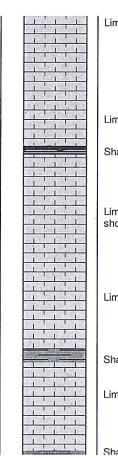


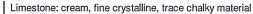
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Limestone: cream-light gray, fine crystalline, dense

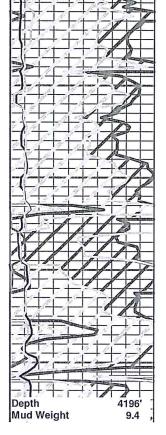
Shale: black

Limestone: cream-light tan, fine crystalline, grades to colimoldic, no shows

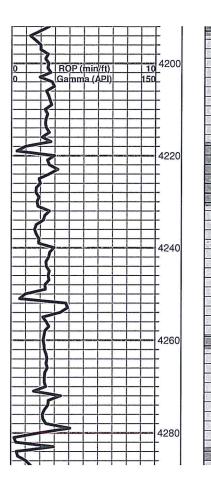
Limestone: cream-light tan, fine crystalline, dense

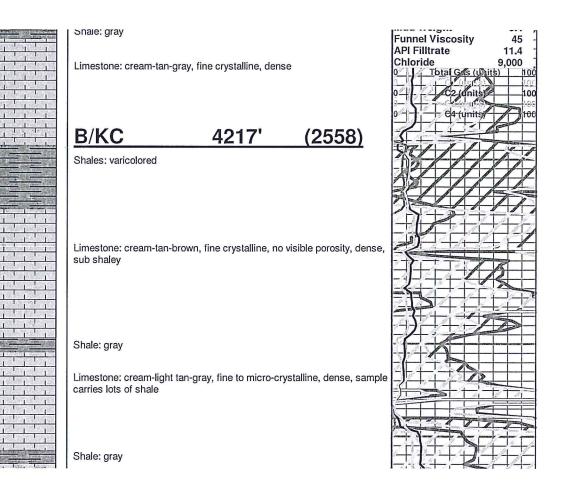
Shale: gray-green

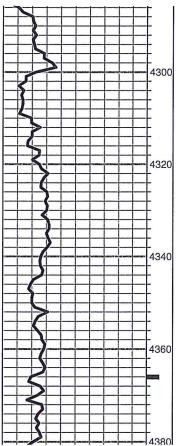
Limestone: cream, fine crystalline, poor to no visible porosity, dense



Shale: grav







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Limestone: cream, fine crystalline, dense

Shale: dark-medium gray

Viola

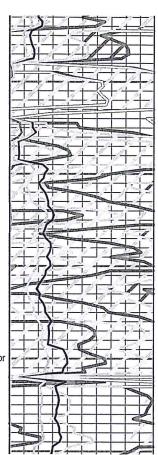
Limestone: tan-cream, fine crystalline, sub cherty

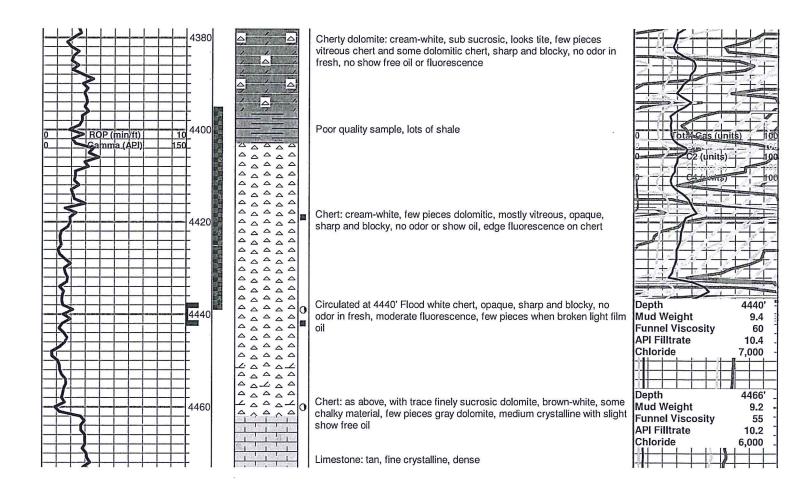
Poor quality sample, sample carries lots of shale

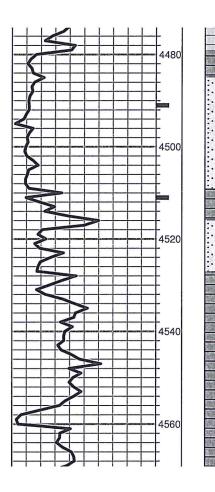
4351' (-2692)

Circulated at 4365' Dolomitic chert: cream-white, sharp and blocky, poor visible inter-crystalline porosity, no odor in fresh, no show free oil or fluorescence

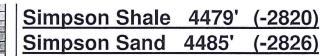
Cherty dolomite: cream-white sub successic looks tite few nieces







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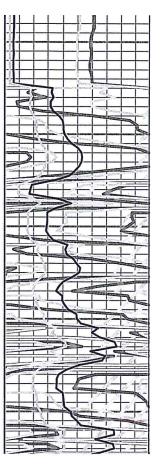
Circulated at 4490' Mostly varicolored shales, some turquiose, pale blue, waxy, few sandstone clusters, looks tite, no shows

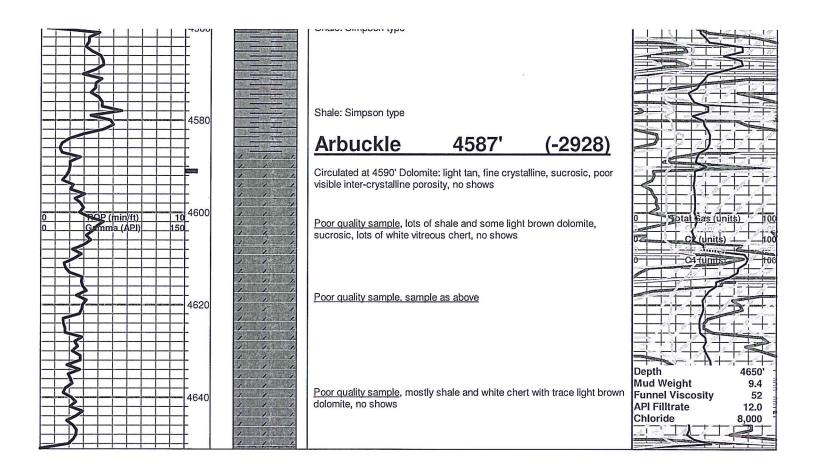
Circulated at 4510' Sandstone clusters: brown, fine grained, poor to moderate friablility, abundant clear, sub rounded sandstone grains in bottom of tray, no shows

Shales: varicolored with tite sandstone, flakes of oil or tarry oil, no odor or fluorescence

Shale: turquoise-blue-green, rare sandstone clusters, no show

Shale: Simpson type





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# **QUALITY WELL SERVICE, INC.**

wind all and

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

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## CE, INC. 6904 \$ 67124 Rich's Cell 620-727-3409 Brady's Cell 620-727-6964

	Sec.	Twp.	Range		County	State	On Location	Finish
Date 8-18-18		31	14		rber	Ks	1.130	31.30
Lease Mills		l No.	2	Locatio			Control Sector	
Contractor WW 4					Owner			
Type Job Surface.					To Quality We	ell Service, Inc.		t and from take
Hole Size 12 14	T.	.D. a	60	144	cementer an	by requested to rent d helper to assist own	ner or contractor to de	o work as listed.
Csg. 85/8		epth ¿		1	Charge G	ciffic		
Tbg. Size	D	epth			Street			
Tool	D	epth			City		State	
Cement Left in Csg. 20	' S	hoe Jo	pint		The above wa	s done to satisfaction ar	d supervision of owner	agent or contractor.
Meas Line	D	isplace	s Isbhis		Cement Amo	ount Ordered 22.	Ss. Commo	n 2% Gel
	QUIPME	NT			3% 66	1/4 C.F.		
Pumptrk 8 No.					Common 2	25		
Bulktrk 10 No.					Poz. Mix			
Bulktrk No.					Gel.			
Pickup No.					Calcium 8			
JOB SER	VICES & I	REMA	RKS		Hulls			
Rat Hole	146.4	<b>7</b> . (4			Salt			
Mouse Hole					Flowseal 5	625	J. J	
Centralizers		11			Kol-Seal			
Baskets					Mud CLR 48			
D/V or Port Collar			972. Sile		CFL-117 or (	CD110 CAF 38		
Pan 6 th 8	3518.	Bcol	Ke Circul	ati	Sand			
with rig. Mix			sx comm		Handling 2	37		
2% bel 32 1	(c 1/	Lic.	F. Displa	0)	Mileage 2	0		
Ishbis H26 Shi						FLOAT EQUIPM	ENT	
circulated to	Suife	510			Guide Shoe			
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The construction of					Mileage 4(		and the second sec	
	r		and the same				Tax	
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X Signature							Total Charge	
								Taylor Printing, Inc.

#### **QUALITY WELL SERVICE, INC.** 6910 Federal Tax I.D. # 481187368 mo Home Office 30060 N. Hwy 281, Pratt, KS 67124 1-1821 Mailing Address P.O. Box 468 Rich's Cell 620-727-3409 Office 620-727-3410 Fax 620-672-3663 Brady's Cell 620-727-6964 On Location Finish Sec. Twp. Range County State O. 31 5 6-411) BARDET Date OL Na 1.1 . Well No. Location 2 Lease Contractor Owner To Quality Well Service, Inc. Type Job You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. T.D. Hole Size Charge Depth CA Csg. 5.5 IMEMENT To Depth Tbg. Size Street Depth City Tool State Shoe Joint 21.01 The above was done to satisfaction and supervision of owner agent or contractor. Cement Left in Csg. 0 71 Cement Amount Ordered Pno Displace 1029 Meas Line EQUIPMENT , 71 No Common<sup>4</sup> Pumptrk No. 0 Bulktrk Poz. Mix No 5 Gel. Bulktrk 4 No. Calcium Pickup 1000 **JOB SERVICES & REMARKS** Hulls 305× 25 Salt **Rat Hole** Mouse Hole Flowseal Centralizers -7-3 4-5 Kol-Seal Baskets TOP OF "IT+ Mud CLR 48 500 90 CFL-197 or CD110 CAF 38 93 B 3 D/V or Port Collar Sand 10 GA to cas Handling RO 200 Mileage 51/2 FLOAT EQUIPMENT 10 Rblu HZ 12 RH. ME H: maisifold D PRO Guide Shoe 511 Centralizer 14 Bulgal Baskets **AFU** Inserts TRPM 0 Dia Float Shoe 500 ų 1 EA IFA 1.0 600" Latch Down 5 BUL 200 SEAVICE 2BPM PM DEAUIS FA Į1 00 LMV 7 PM Pumptrk Charge 0 15 stains OAG 40 Mileage Tax CLASE Call AGAIN Discount 0007 **Total Charge** Signature

Taylor Printing, Inc.



## DRILL STEM TEST REPORT

Prepared For: Charles N Griffin

PO Box 347 Pratt, KS 67124

ATTN: Bruce Reed

Mills #2

#### 9-31S-14W Pratt,KS

Start Date: 2018.08.24 @ 01:30:34 End Date: 2018.08.24 @ 10:46:21 Job Ticket #: 63958 DST#: 1

Trilobite Testing, Inc 1515 Commerce Parkway Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

Printed: 2018.08.28 @ 07:51:25

	DRILL STEM TES	ST REP	ORT				
RILOBITE	Charles N Griffin		9-3	31S-14W	/ Pratt,KS		
ESTING , INC.	PO Box 347 Pratt, KS 67124		Mi	IIs #2 Ticket: 6		DST#:1	
	ATTN: Bruce Reed				018.08.24 @		I
GENERAL INFORMATION:							
Formation: Viola Deviated: No Whipstock: Time Tool Opened: 04:39:36 Time Test Ended: 10:46:21	ft (KB)		Tes	ter:	Conventional Leal Cason 74	Bottom Hol	e (Initial)
Interval:4395.00 ft (KB) To44Total Depth:4440.00 ft (KB) (ThHole Diameter:7.88 inches Hole			Ref		evations: to GR/CF:	1659.00 1654.00 5.00	ft (CF)
Serial #: 6749         Outside           Press@RunDepth:         37.62 psig           Start Date:         2018.08.24           Start Time:         01:30:35	<ul> <li>4396.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2018.08.24 10:46:21	Capacity Last Cali Time On Time Off	b.: Btm:	2 2018.08.24 @ 2018.08.24 @		psig
TEST COMMENT: IF: Strong Blow, ISI: No Blow Bac FF: Strong Blow, FSI: No Blow Bac	< BOB Immediate, Built to 151"						·
Pressure vs. T	TTC C740 Temperature		PF	RESSUR	RE SUMMA	RY	
220 300 170 170 170 170 170 170 170 1	670 imposes 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Time (Min.) 0 1 31 94 95 140 232 237	Pressure (psig) 2252.70 21.06 35.16 647.84 23.33 37.62 365.34 2282.37	Temp (deg F) 115.02 114.58 115.29 116.99 116.92 117.86 119.25 119.36	Open To Flo Shut-In(1) End Shut-In Open To Flo Shut-In(2) End Shut-In	-static ow (1) (1) ww (2) (2)	
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressure	e (psig) Gas	Rate (MMcf/d)
0.00 2300 GIP 55.00 GSY OCM 10%G 10%O 8	0.00 0%M 0.27						

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	DRILL STEM TES	ST REP	ORT			No. 1991	
RILOBITE	Charles N Griffin	9-31S-14W Pratt,KS					
TESTING , INC.	PO Box 347 Pratt, KS 67124		Mil	l <b>ls #2</b> Ticket: 6		DST#:	
	ATTN: Bruce Reed				018.08.24 @		I
GENERAL INFORMATION:							
Formation: <b>Viola</b> Deviated: No Whipstock: Time Tool Opened: 04:39:36 Time Test Ended: 10:46:21	ft (KB)		Tes	ter:	Conventiona Leal Cason 74	al Bottom Hol	e (Initial)
Interval:         4395.00 ft (KB) To         44           Total Depth:         4440.00 ft (KB) (T)           Hole Diameter:         7.88 inches Hole			Ref		evations: to GR/CF:	1659.00 1654.00 5.00	ft (CF)
Serial #: 8875 Inside							
Press@RunDepth: psig Start Date: 2018.08.24 Start Time: 01:30:46	<ul> <li>4396.00 ft (KB)</li> <li>End Date:</li> <li>End Time:</li> </ul>	2018.08.24 10:46:32	Capacity Last Calil Time On Time Off	b.: Btm:		2018.08.24	psig
TEST COMMENT: IF: Strong Blow, ISI: No Blow Bac FF: Strong Blow, FSI: No Blow Bac	k . BOB Immediate, Built to 151"						
Pressure vs. T	(A)		PF	RESSUR	RE SUMM	ARY	
220 200 772 772	805 Importer 10 10 10 10 10 10 10 10 10 10		Pressure (psig)	Temp (deg F)	Annotatic	חכ	
Recovery				Ga	s Rates		
Length (ft) Description	Volume (bbl)		0.41.04	Choke (i	nches) Pressu	re (psig) Gas	Rate (MMcf/d
0.00 2200 CID							
0.00 2300 GIP 55.00 GSY OCM 10%G 10%O 8	0.00 30%M 0.27						

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		DRIL	L STE	M TEST	REPOR	RT .	TOOL DIAGRA
RILOE		Charles I	N Griffin	2		9-31S-14W Pratt,KS	
EST	TING , INC	PO Box 3	347			Mills #2	
		Pratt, KS	67124			Job Ticket: 63958	DST#: 1
		ATTN: I	Bruce Reed			Test Start: 2018.08.24 @	01:30:34
Tool Information							
Drill Pipe: Length:	4332.00 ft	Diameter:	3.80 in	ches Volume:	60.77 bbl	Tool Weight:	2100.00 lb
Heavy Wt. Pipe: Length:	0.00 ft	Diameter:	0.00 in	ches Volume:	0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar: Length:	61.00 ft	Diameter:	2.25 in	ches Volume:	0.30 bbl	Weight to Pull Loose:	
Drill Pipe Above KB:	17.00 ft			Total Volume:	61.07 bbl	Tool Chased	ft
Depth to Top Packer:	4395.00 ft					String Weight: Initial	56000.00 lb
Depth to Bottom Packer:	ft					Final	57000.00 lb
Interval between Packers:	45.00 ft						
Tool Length:	64.00 ft						
Number of Packers:	2	Diameter:	6.75 in	ches			
Tool Description	Len	gth (ft) S	Serial No.	Position	Depth (ft) A	ccum. Lengths	
Shut In Tool		5.00			4381.00		
Hydraulic tool		5.00			4386.00		
Packer		5.00			4391.00	19.00	Bottom Of Top Packer
Packer		4.00			4395.00		
Stubb		1.00			4396.00		
Recorder		0.00	8875	Inside	4396.00		
		0.00	6749	Outside	4396.00		
Recorder		7.00			4403.00		
Perforations							
Perforations Change Over Sub		1.00			4404.00		
Recorder Perforations Change Over Sub Drill Pipe	:	32.00			4436.00		
Perforations Change Over Sub Drill Pipe Change Over Sub	;	32.00 1.00					
Perforations Change Over Sub		32.00			4436.00	45.00 Bot	tom Packers & Anchor

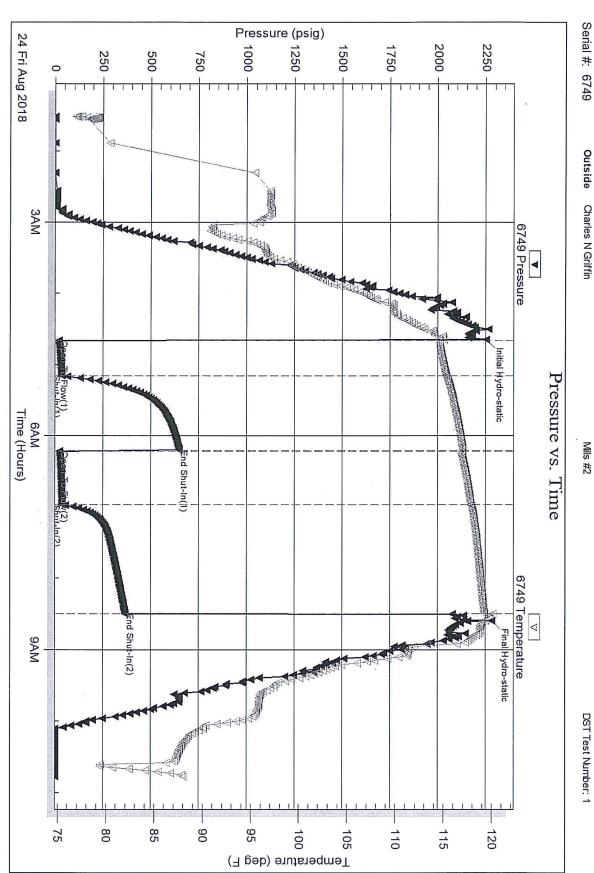
		u					
	DRI	ILL STEM TEST RE	EPORT	T		FLUID S	JMMARY
RILOBITE	Charle	s N Griffin		9-31S-14W	/ Pratt,KS		
ESTING, N		x 347 KS 67124		Mills #2			
				Job Ticket: 6		DST#:1	
	ATTN:	Bruce Reed		Test Start: 2	018.08.24 @ 0 <sup>.</sup>	1:30:34	
Mud and Cushion Information	i						
Mud Type: Gel Chem Mud Weight: 9.00 lb/gal		Cushion Type: Cushion Length:			Oil API: Water Salinity:		deg API ppm
Viscosity: 60.00 sec/qt		Cushion Volume:		bbl	viator caminy.		ppm
Water Loss: 10.39 in <sup>3</sup>		Gas Cushion Type:					
Resistivity: ohm.m Salinity: 7000.00 ppm		Gas Cushion Pressure:		psig			
Filter Cake: 0.02 inches							
Recovery Information							
	igth	Recovery Table		Valuma	1		
	t	Description		Volume bbl			
	0.00 55.00	2300 GIP GSY OCM 10%G 10%O 80%M		0.000 0.270			
Total Length:		5.00 ft Total Volume:	0.270 bbl	0.270	4		
Num Fluid Sar			0	Serial #:			
Laboratory N	ame:	Laboratory Location:	0	ocriain.			
Recovery Co	nments:						

Trilobite Testing, Inc



Ref. No: 63958

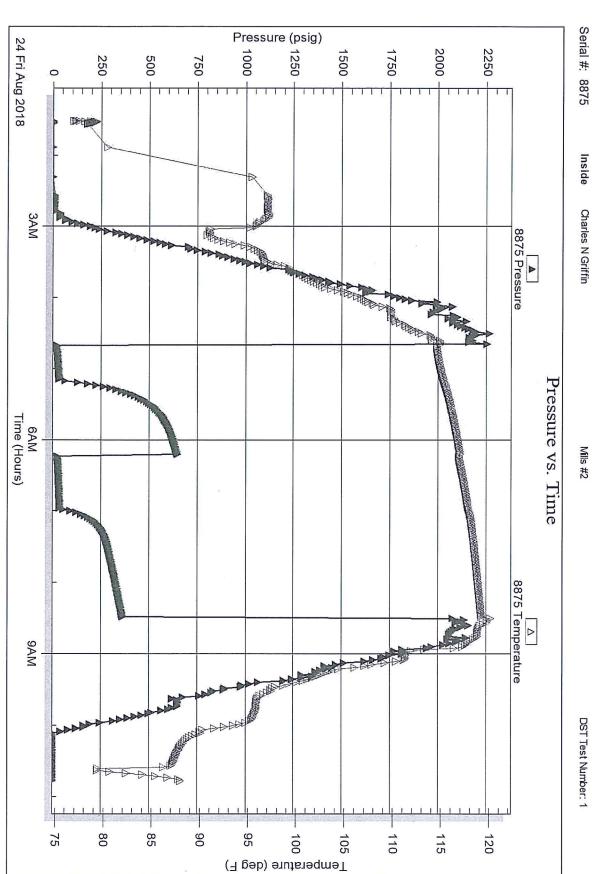
Trilobite Testing, Inc



Printed: 2018.08.28 @ 07:51:26

Ref. No: 63958

Trilobite Testing, Inc



Charles N Griffin

Mills #2

2018	2018-8-2	25_111258.jpg	2		
	ITE ING INC. erce Parkway • Hays, Kansas 67	7601	<b>Test Ti</b> NO. 63	<b>cket</b> 3958	
Well Name & No. <u>Mills</u> Company <u>Charles</u> M. C Address <u>PO BOX 347</u> Co. Rep / Geo. <u>Bruce</u> Re	Prart, KS 671. ed	Elevation 24 Rig_Win 4	<u>1659</u> ке	3_1654	GL
Location: Sec9_Twp	<u>315</u> Rge. 146	CoBarber		_State KS	
Interval Tested <u>4395</u> - Anchor Length Top Packer Depth Bottom Packer Depth Total Depth Blow Description <u>TF: Strong</u> <u>DST: No Blow Back</u>	<u>45</u> Drill Pipe Run <u>4390</u> Drill Collars Ru <u>4395</u> Wt. Pipe Run <u>4440</u> Chlorides <u>Blow, BOB in 30 Sec</u>	4332 n <u>61</u> ØØ 7000 ppm Sy	≥Vis WL vstem LCM_	NI. <u>9-4</u> 60 10.4 1# nch.es	
FF: STrong Blow, BU	DB Immediate, Bu	14 to 151 Inch	e 5		
FST: NO BLOW BAC,	k				
Rec Feet of			%oil	%water	%mud
Rec 55 Feet of 654	DCM	10%gas 1	2%oil	%water	80 %mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total     55     BH       (A) Initial Hydrostatic     2	2257 @ Test_1150	_API RW_ <u>_///_</u> @	T-On Location	01:00	ppm
(B) First Initial Flow			T-Started	and the second second second	
(C) First Final Flow	35 Galety Joint		•	04:39	
(D) Initial Shut-In	643 🛛 Circ Sub		State State State State	28:29	
(E) Second Initial Flow	23 D Hourly Standby			0:46	
(F) Second Final Flow		02 200	in the second second	Loodpd	-
	065 🛛 Sampler		<u>(a) 10.0</u>	0000 0	8/25
(H) Final Hydrostatic 22	82 🛛 Straddle		C Ruined St	nale Packer	
				icker	
Initial Open	C Extra Packer			ies	
Initial Shut-In	60 Extra Recorder		Sub Total		
Final Flow	U Day Standby		Total 135	0	
Final Shut-In	an		MP/DST Dis	c't	-
ADDRENT BUT DURCH AT	Sub Total 135	0		2	
Trilobite Testing Inc. shall not be liable for damaged of any	kind of the property or personnel of the one for who	Our Representative	lered or sustained, direc	ly or indirectly throw	oh the use of its
Trilobile Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.					