KOLAR Document ID: 1575149

Confiden	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	WEII &	IFASE
	INSIONI			LLASL

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:
	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used?
	If yes, show depth set: Feet
If Workover/Re-entry: Old Well Info as follows:	
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)
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 #:	
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec Twp 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 II III Approved by: Date:			

KOLAR Document ID: 1575149

Operator Name:	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	eets)	Y	es 🗌 No			og Formatio	n (Top), Depth	and Datum	Sample
Samples Sent to Geolog	*		és 🗌 No	Ν	lame	e		Тор	Datum
Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run:			ies No ies No ies No						
		Repo	CASING I] Ne	w Used rmediate, productio	on, etc.		
Purpose of String	Size Hole Drilled		ze Casing tt (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING /	SQU	EEZE RECORD			
Purpose: Perforate	Depth Top Bottom	Туре	Type of Cement # Sacks I		k		Type and Percent Additives		
Protect Casing Plug Back TD Plug Off Zone									
 Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj 	total base fluid of the h ring treatment informa	nydraulic fra tion submit	acturing treatment	al disclosure regis	-	Yes ns? Yes Yes	No (If No, s	kip questions 2 ar kip question 3) ill out Page Three	
Injection:			Flowing	Pumping		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	I OF GAS:		M	ETHOD OF COM	IPLE	TION:			ON INTERVAL:
Vented Sold (If vented, Subm	Used on Lease		Open Hole		-		mingled	Тор	Bottom
		Perforation Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Record Bottom Type Set At (Amount and Kind of Material Used)							
TUBING RECORD:	Size:	Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	CHRISTIE #21-2
Doc ID	1575149

All Electric Logs Run

Dual Induction
Compensated Density/Neutron PE
Sonic
Micro
Computer Processed
Geologist Mudlog
Cement Bond

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	CHRISTIE #21-2
Doc ID	1575149

Tops

Name	Тор	Datum
Heebner	3433	-1535
Toronto	3451	-1553
Douglas	3470	-1572
Brown Lime	3600	-1702
Lansing	3622	-1724
LKC "H"	3760	-1862
ВКС	3910	-2012
Conglomerate	3979	-2081
Kinderhook Sand	4043	-2145
Viola	4068	-2170
Simpson Sand	4163	-2265
Arbuckle	4242	-2344

Form	ACO1 - Well Completion
Operator	Younger Energy Company
Well Name	CHRISTIE #21-2
Doc ID	1575149

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	20	430	60/40 Pozmix		2&3, 1/4# flake
Production	7.875	5.5	17	4280	H-Long	165	



Scale 1:240 Imperial

		ai		
Well Name:	Christie 21-2			
Surface Location:	Sec. 30 - T25S - R12W			
Bottom Location:				
API:	15-185-24076-0000			
License Number:	30705			
Spud Date:	2/4/2021	Time:	8:45 AM	
Region:	Stafford County			
Drilling Completed:	2/11/2021	Time:	9:45 PM	
Surface Coordinates:	2310' FSL & 1760' FEL			
Bottom Hole Coordinates:				
Ground Elevation:	9.00ft			
K.B. Elevation:	1898.00ft	_		
Logged Interval:	3100.00ft	To:	4285.00ft	
Total Depth:	4285.00ft			
Formation:	Arbuckle			
Drilling Fluid Type:	Chemical/Fresh Water Gel			
0	OPERATOR			
Company:	Younger Energy Company			
Address:	9415 E. Harry St.			
	Bldg 400, Ste. 403			
Contact Coologist	Wichita, KS 67207			
Contact Geologist:	040 694 0540			
Contact Phone Nbr:	316-681-2542			
Well Name:	Christie 21-2			
Location:	Sec. 30 - T25S - R12W			
API:	15-185-24076-0000	Field	Up named	
Pool:	Kanana	Field:	Un-named	
State:	Kansas	Country:	USA	
	SURFACE CO-ORDIN	ATES		
Well Type:	Vertical			
Longitude:	-98.679950			
Longitude:	37.845930			
N/S Co-ord:	2310' FSL			

E/W Co-ord:	1760' FEL		
	LOGGED BY		
	Keith Reavis		
	Consulting Geologist		
Company: Address:	Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530		
Phone Nbr:	620-617-4091	Namo	Keith Reavis
Logged By:	KLG #136	Name:	Kelul Reavis
	CONTRACTOR		
Contractor: Rig #: Rig Type: Spud Date: TD Date:	Duke Drilling Company 4 mud rotary 2/4/2021 2/11/2021	Time: Time:	8:45 AM 9:45 PM

Time:

Rig Release:

K.B. Elevation: 1898.00ft K.B. to Ground: 1889.00ft Ground Elevation: 9.00ft

NOTES

Due to results of drill stem tests conducted and electrical log analysis, 5 1/2 inch production casing was set and cemented to further test the Simpson and Kinderhook through perforations and stimulation. Other zones to be tested in the future are the Mississippian Chert and Lansing H.

A Bloodhound gas detections system was employed during the drilling of this well. ROP and gas data were imported into this log, as well as the gamma ray and caliper curves from the electrical log suite.

Respectfully submitted, Keith Reavis

daily drilling report

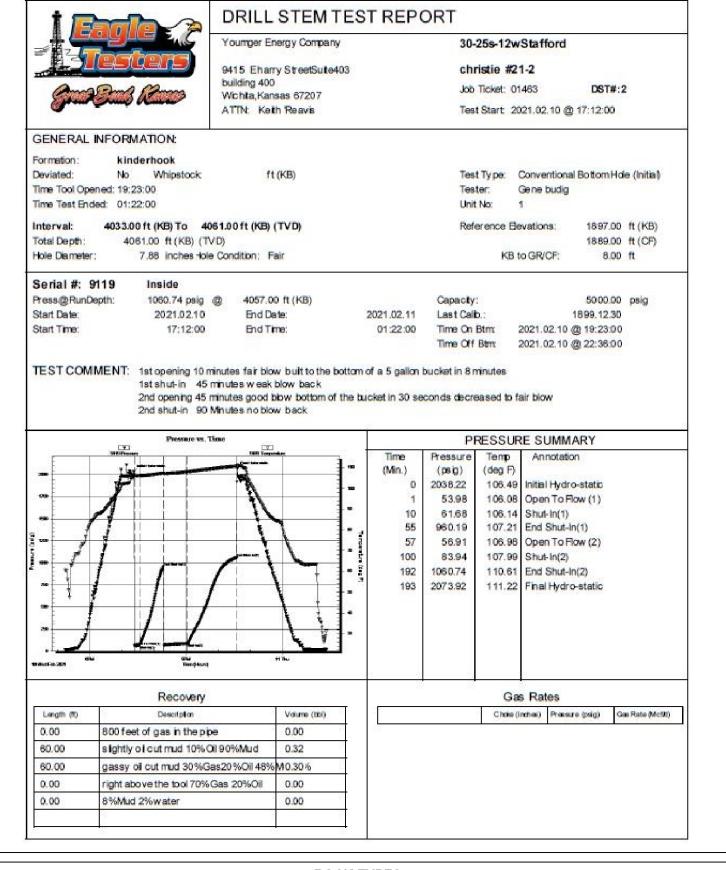
DATE	7:00 AM DEPTH	REMARKS
02/07/2021		geologist Keith Reavis on location 1000 hrs, 3036 ft, drilling ahead Topeka, mud displacement under way
02/08/2021	3515	drilling ahead, Topeka, Heebner, Toronto, Douglas, had power go down in gas detector trailer, had to call in for new power cable, replace, back up running, drilling ahead, LKC thru day
02/09/2021	3850	cfs J zone, shows in H thru J warrant test, short trip, ctch, drop survey and strap out, make up tools, TIH, conduct and complete DST #1, successful test, TIH w/bit, resume drilling, BKC
02/10/2021	4010	drilling Marmaton, Conglomerate, Mississippian, Kinderhook, show in Kinderhook warrants test, short trip, ctch, TOH w/bit and in w/tools, conduct DST #2
02 <mark>/11/</mark> 2021	4086	complete DST #2, successful test, TIH w/bit, resume drilling, Viola, Simpson, Arbuckle, TD @ 4285 ft @ 2145 hrs, cfs, short trip, ctch, TOH for logs
02/12/2021	4285	finish TOH, conduct logging operations. Geologist off location 930 hrs.

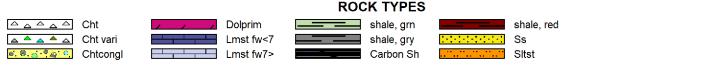
well comparison sheet

		DRILLING	WELL			COMPARIS	ON WELL		COMPARIS	ON WELL	212-5	
		Christie	21-2		Ye	unger - C	hristie	#1	Mus	tang - A.	Brinkman	n #1
		2310' FSL	& 1760'	FEL		NE NE SW	(-) (NW NE SE	8	
		Sec 30-T2	5S-R12W			Sec 30-T	255-R12W	£		Sec 30-1	255-R12W	ii i
						A CONTRACTOR OF THE OWNER OWNE	Struct	ural		100000000000000000000000000000000000000	Struct	ural
	1898	KB			190	2 KB	Relati	onship	1893	1 KB	Relationsh	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Topeka	3111	-1213			3116	-1214	1		3110	-1219	6	8
Heebner	3434	-1536	3433	-1535	3446	-1544	8	9	3434	-1543	7	8
Toronto	3453	-1555	3451	-1553	3463	-1561	6	8	3454	-1563	8	10
Douglas	3474	-1576	3470	-1572	3484	-1582	6	10	3470	-1579	3	7
Brown Lime	3601	-1703	3600	-1702	3613	-1711	8	9	3601	-1710	7	8
Lansing	3624	-1726	3622	-1724	3638	-1736	10	12	3624	-1733	7	9
H Zone	3765	-1867	3760	-1862	3774	-1872	5	10	3764	-1873	6	11
BKC	3911	-2013	3910	-2012	3923	-2021	8	9	3912	-2021	8	9
Conglomerate	3979	-2081	3979	-2081	3991	-2089	8	8	3980	-2089	8	8
Kinderhook Sd	4043	-2145	4043	-2145	4058	-2156	11	11	4040	-2149	4	4
Viola	4068	-2170	4068	-2170	4092	-2190	20	20	4070	-2179	9	9
Simpson Sd	4164	-2266	4163	-2265	4176	-2274	8	9	4172	-2281	15	16
Arbuckle	4245	-2347	4242	-2344	4252	-2350	3	6	4246	-2355	8	11
Total Depth	4285	-2387	4285	-2387	4277	-2375	-12	-12	4258	-2367	-20	-20
		COMPARISO	N WELL									
		Younger -	Hearn B	1								
		SW SW NE										
		Sec 30-T2	5S-R12W									
			Struc	tural								
	1902	KB	Relati	ionship								
Formation	Log	Sub-Sea	Sample	Log								
Topeka	3120	-1218	5									
Heebner	3446	-1544	8	9								
Toronto	3463	-1561	6	8								
Douglas	3489	-1587	11	15								
Brown Lime	3612	-1710	7	8								

Lansing	3632	-1730	4	6
H Zone	3774	-1872	5	10
BKC	3924	-2022	9	10
Conglomerate	3995	-2093	12	12
Kinderhook Sd	4065	-2163	18	18
Viola	4093	-2191	21	21
Simpson Sd	4170	-2268	2	3
Arbuckle	4247	-2345	-2	1
Total Depth	4257	-2355	-32	-32

	Drill S	tem Test #1					
	ORILL STEM T	EST REP	ORT				
	ounger Energy Company		30-2	25s-12w	Staffo	ord	
<u>Hesters</u> ,	415 Eharry StreetSuite40	03	chr	istie #21	1-2		
	uilding 400		Job	Ticket: 01	462	DST#:	1
Carter Stand Constant	Vichita, Kansas 67207 ATTN: Keith 'Reavis		Test	Start 20	21 02 0	09 @ 07:25:00	
-	TIN. Neuri Nedvis		1031	Start 20	6 1 M.C. V	08 @ 01.20.00	
SENERAL INFORMATION:							
Formation: Kansas City "HI&J"							
Deviated: No Whipstock:	ft (KB)			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		tional Bottom Ho	xie (hitia)
Time Tool Opened: 09:39:00			Test		Gene B	ludig	
Time Test Ended: 03:44:00			Unit	No:	1		
nterval: 3760.00 ft (KB) To 3850.			Refe	erence Be	vations		ft (KB)
Total Depth: 3850.00 ft (KB) (TVD)				KD 1			ft (CF)
Hole Diameter: 7.88 inches Hole Co	onalion: Fair			RBt	o GR/C	F: 8.00	π
Serial #: 9139			0.000 million				
Press@RunDepth: 837.75 psig @	ft (KB)		Cap acity:				psig
Start Date: 2021.02.09	End Date:	202 1.02.09	Last Calib	1.000-000-000-000-000-000-000-000-000-00		1899.12.30)
Start Time: 07:26:00	End Time:	15;44:00	Time On I			2.09 @ 09:37:30	
			Time Off	Btm 2	2021.02	2.09 @ 12:50:00)
TEST COMMENT: 1st Opening 10 Min 1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min	nutes no blow back nutesn Fair blow built to the					decreased	
1st Shut-h 45 Min 2nd Opening 45 Min	nutes no blow back nutesn Fair blow built to the	e bottom of a 5 gal	lon bucket in PF	11 Minute	s and c	MMARY	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back		lon bucket in	11 Minute	s and c		
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal	Ibn bucket in PF Pressure (psig) 1897.72	11 Minute RESSUR Temp (deg F) 101.30	E SU Anno htial f	MMARY otation Hydro-static	
1st Shut-h 45 Mir 2nd Opening 45 Mir final Shut-in 90 Mir Pressare vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal	PF Pressure (psig) 1897.72 121.60	11 Minute RESSUR Temp (deg F) 101.30 100.91	E SU Anno Ntial H Open	MMARY otation Hydro-static To Flow (1)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal	Ibn bucket in Pressure (psig) 1897.72 121.60 195.66	11 Minute RESSUR Temp (deg F) 101.30 100.91 101.06	ESU Anno Open Shut-I	MMARY otation Hydro-static To Flow (1) In(1)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal	Pressure (psig) 1897.72 121.60 195.66 924.57	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79	E SU Anno htial H Open Shut-I End S	MMARY otation Hydro-static To Flow (1) In(1) hut-In(1)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal	Ibn bucket in Pressure (psig) 1897.72 121.60 195.66	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63	E SU Anno h tial H Open Shut-I End S Open	MMARY otation Hydro-static To Flow (1) In(1) hut-In(1) To Flow (2)	
1st Shut-h 45 Mir 2nd Opening 45 Mir final Shut-in 90 Mir Pressare vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.)	Pressure (psig) 1897.72 121.60 195.66 924.57 299.27	11 Minute Temp (deg F) 101.30 100.91 101.08 102.79 102.63 104.42	E SU Anno htial H Open Shut-I End S Open Shut-I	MMARY otation Hydro-static To Flow (1) In(1) hut-In(1) To Flow (2)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55	11 Minute Temp (deg F) 101.30 100.91 101.08 102.79 102.63 104.42	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2)	
1st Shut-h 45 Mir 2nd Opening 45 Mir final Shut-in 90 Mir Pressare vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressue vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2)	
1st Shut-h 45 Mir 2nd Opening 45 Mir final Shut-in 90 Mir Pressare vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2)	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno htial H Open Shut-I End S Open Shut-I End S	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time The same	nutes no blow back nutesn Fair blow built to the nutes no blow back	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno Anno Shut-I End S Open Shut-I End S Final H	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	iae Rate (McM)
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time The same set of the same set of the same set of the same set of th	volume (bid)	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute RESSUR (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno Anno Shut-I End S Open Shut-I End S Final H	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	kas Rate (McM)
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time The same	volume (bid)	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute RESSUR (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno Anno Shut-I End S Open Shut-I End S Final H	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	iae Rate (McIII)
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time The same set of the same set of the same set of the same set of th	volume (b8)	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute RESSUR (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno Anno Shut-I End S Open Shut-I End S Final H	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	iaja Rato (McM)
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time The serve vs.	volume (b8)	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute RESSUR (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno Anno Shut-I End S Open Shut-I End S Final H	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	iae Foto (McM)
1st Shut-h 45 Min 2nd Opening 45 Min final Shut-in 90 Min Pressure vs. Time The source vs. The source vs. The source vs. Time The source vs. The s	volume (bit) 0.00 % Watter 0.00 0.60	e bottom of a 5 gal Time (Min.) 	PF Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	11 Minute RESSUR (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	E SU Anno Anno Shut-I End S Open Shut-I End S Final H	MMARY otation To Flow (1) In(1) hut-In(1) To Flow (2) In(2) hut-In(2) Hydro-static	kas Rate (McUr)





MINERAL

- Argillaceous
- Chert. dark
- ∠ Dolomitic
- P Pvrite
- △ Chert White

FOSSIL

- Bioclastic or Fragmental F Fossils < 20%
- ♦ Oolite
- ∮ Pellets
- Oomoldic

ACCESSORIES

STRINGER

Dolomite Limestone ---- Sandstone ---- Siltstone Shale

TEXTURE C Chalky L Lithogr



OTHER SYMBOLS



Good Show

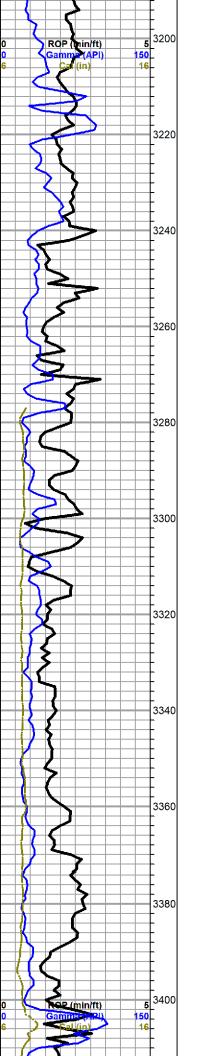
DST

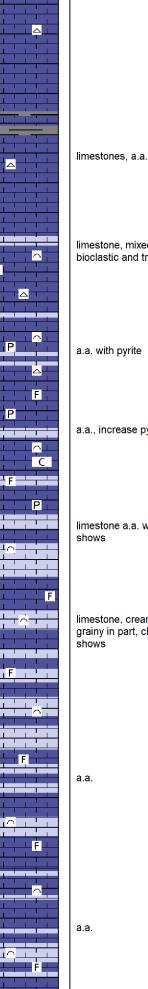
📕 DST Int 📕 DST alt

tail pipe

Processing Core

- Fair Show
- Poor Show
- O Spotted or Trace
- O Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas
- Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca) Curve Track #1 TG, C1 - C5 ROP (min/ft) Total Gas (units) Depth | Intervals Gamma (API) C1 (units) Cal (in) C2 (units) Lithology Oil Show C3 (units) DST C4 (units) Geological Descriptions C5 (units) Cored Interval DST Interval 1:240 Imperial 1:240 Imperial Total Gas (units) 5 100 mma (API) 50 Cal (in) 16 C2 (units) 100 C3 (units) 100 3060 100 C5 (units) lighter test 3080 begin 10 ft wet and dry samples @ 3100' gray shale and salt and pepper siltstone 3100 Topeka 3111 -1213 limestone, mixed cream to gray and brown, micro-cryptocrystalline, F fossiliferous, some grainy, no shows 3120 L F L 3140 F grades to limestone, cream to light gray, trace brown, mostly С cryptocrystalline, fossiliferous, chalky, no shows 3160 F Ċ limestone a.a., some scattered fossiliferous and spiculitic cherts, less 3180 chalk \frown





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limestone, mixed cream to gray, fossiliferous, dense to chalky, some bioclastic and trace oomoldic, marked increase in cherts, no shows

a.a. with pyrite

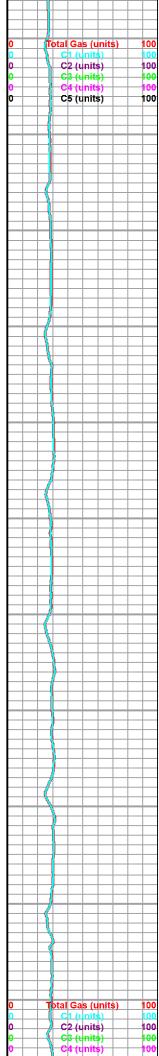
a.a., increase pyrite

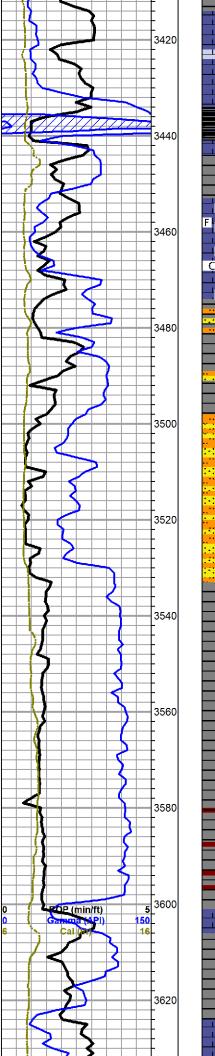
limestone a.a. with increase in cream to tan bioclastic, some chalk, no shows

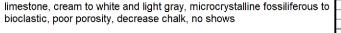
limestone, cream to white and light gray, bioclastic to fossiliferous, grainy in part, chalky, some fair porosity, flood chalk in samples, no shows

a.a.

a.a.









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Toronto 3453 -1555

limestone, cream, microcrystalline, fossiliferous, poor visible porosity, appx. 40% chalk in samples, no shows

Douglas 3474 -1576

gray to gray-green shales, with light green to gray siltstone, micaceous and light gray to light green sandstone, very fine grain, well sorted and cemented, shaly and micaceous, no shows

siltstone and sandstone a.a.

shales, gray, soft, sticky to mushy

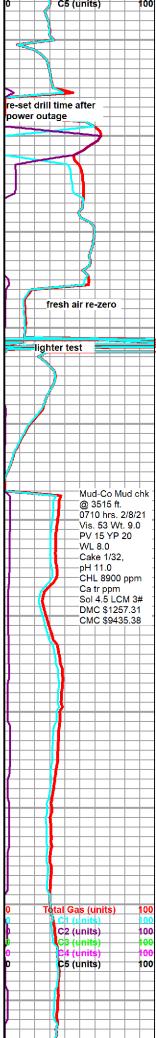
shale, gray with influx maroon shales

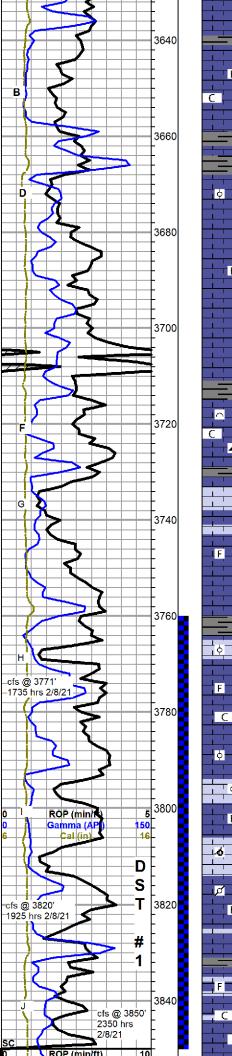
Brown Lime 3601 -1703

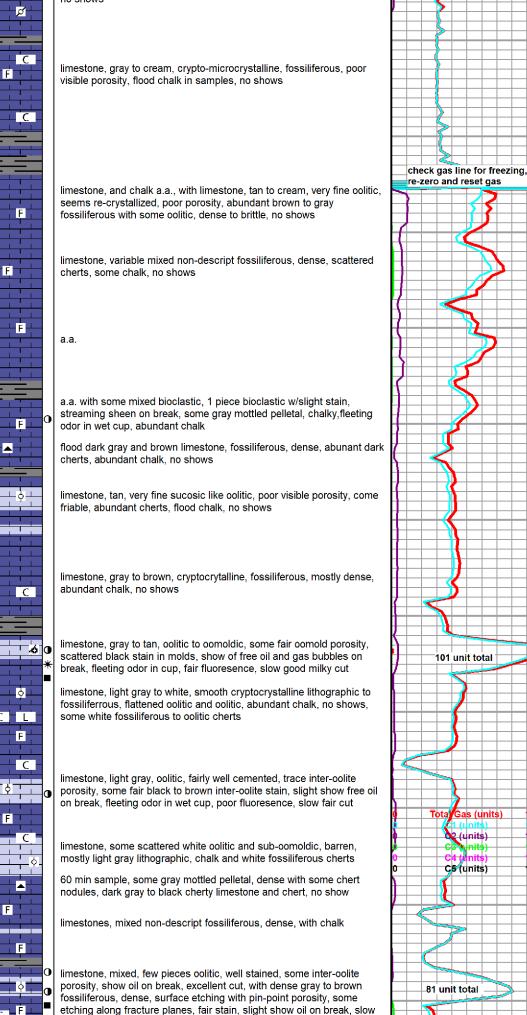
limestone, tan to dark gray/brown, cryptocrystalline, dense, fossiliferous, no shows

Lansing 3624 -1726

limestone, gray to tan, mostly cryptocrystalline, fossiliferous, dense to chalky-grainy, with limestone, mottled gray pelletal, no visible porosity, no shows

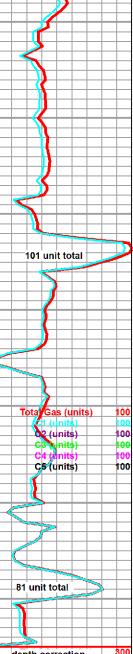


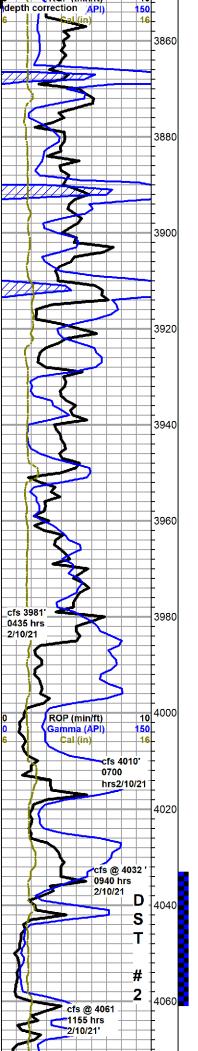


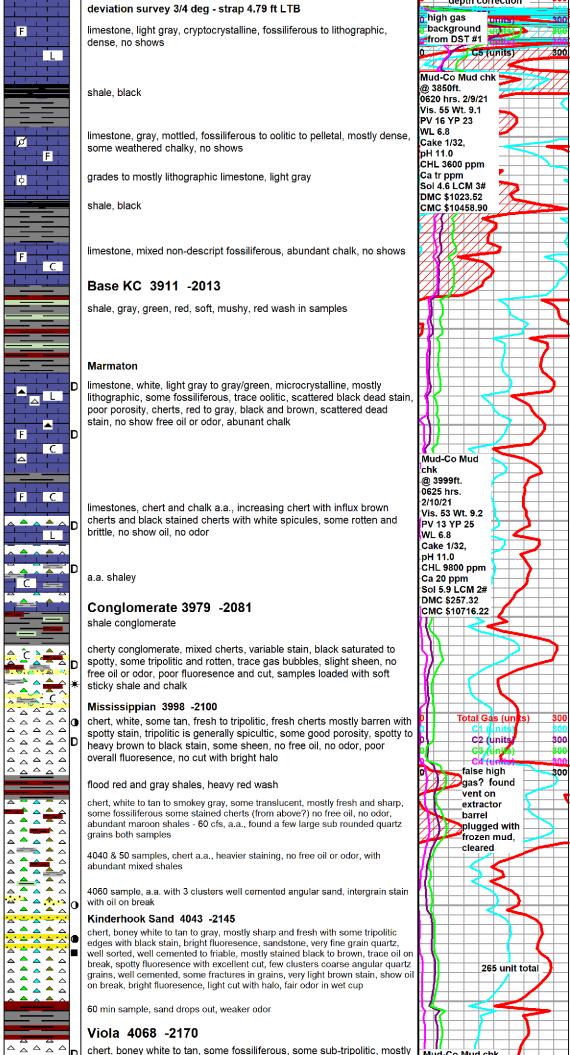


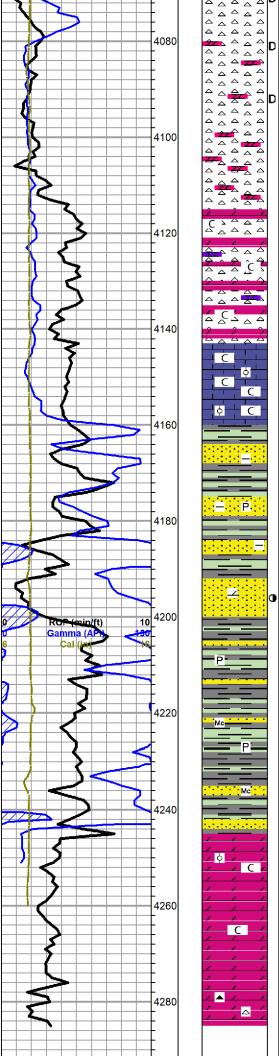
streaming ribbons in cut with halo, questionable odor in wet cup, overall

poor mineral fluoresence, much chalk









sharp and fresh, scattered dead black stain, no show free oil, no odor, good fluoresence

a.a. with: scattered dolomite, cream to light gray, microcrystalline, dense, no show

a.a., increasing dolomite, stain drops out

as above, appx 40% dolomite, influx arenaceous dolomitic limestone, flood chalk in samples, no shows

a.a.

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limestone, white to light gray and cream, oolitic to flattened oolitic and fossiliferous, very chalky, appx 50% chalk in samples

Simpson Sand 4164 -2266

sandstone, dirty gray, fine grain, fair sorting, round to sub-round, argillaceous/shaley, fairly friable, some pyrite, no shows, with: shales, gray and green

a.a

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sandstone, quartz, very fine grain, well sorted and cemented, dolomitic cement, even light brown saturated stain, no oil show, fair odor, excellent fluoresence, no cut

shale, gray and green, abundant mushy and soft, some pyrite with: streaks of sandstone, gray to dark gray, very fine to medium grain, poor sorting, mostly well rounded, argillaceous and micaceous, fair to well cemented, some pyrite, no shows

a.a.

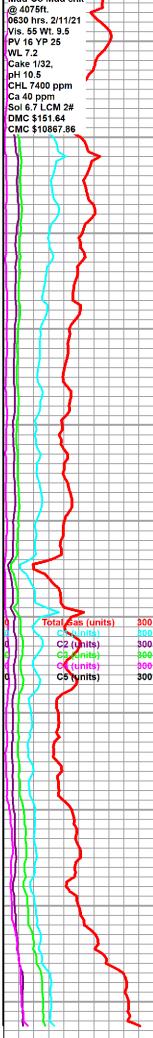
Arbuckle 4145 -2347

dolomite, gray to tan, microcrystalline, grainy, caliche in-fill with cryptocrystalline lithographic, dense, some oolitic, no shows

a.a., grainy microcrystalline facies more pronounced sub-rhombic, some intercrytalline porosity, but caliche filled, oolitic facies drops out

dolomite, white to gray and tan, some pink, microcrystalline to crypotcrystalline, poor visible porosity, abundant mixed cherts, no shows

Rotary TD 4285 ft @ 2145 hrs 2/11/21 ELI Wireline TD 4285 ft



					t.			Complete logging operations 830 hrs 2/12/21					
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DRILL STEM TEST REPORT

Prepared For: Youmger Energy Company

9415 E harry StreetSuite403 building 400 Wichita, Kansas 67207

ATTN: Keith 'Reavis

christie #21-2

30-25s-12wStafford

Start Date:	2021.02.09	@ 07:25:00	
End Date:	2021.02.09	@ 03:44:00	
Job Ticket #:	01462	DST #:	1

Eagle Testers 1309 Patton Road Great Bend, Kansas 67530 620-791-7394

Youmger Energy Company

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		15 E harry StreetSuite	christie #21-2						
Great		ichita,Kansas 67207			Job	Ticket: 01	1462	DST	#: 1
	AT	ITN: Keith 'Reavis			Tes	t Start: 20	021.02.09	@ 07:25:00)
GENERAL I	NFORMATION:								
ormation:	Kansas City "H-I&J"								
eviated:	No Whipstock:	ft (KB)						nal Bottom	Hole (Initial)
îme Tool Oper îme Test Ende	ed: 03:44:00						Gene Bud 1	iig	
nterval:		0 ft (KB) (TVD)				erence Ee	avations.	1807	00 ft (KB)
otal Depth:	3850.00 ft (KB) (TVD)				ner		evalions.		00 ft (CF)
lole Diameter:		ndition: Fair				KB t	to GR/CF:		00 ft
Serial #: 9 ress@RunDe		ft (KD)			Capacity				nsia
Start Date:	pth: 837.75 psig @ 2021.02.09	ft (KB) End Date:	2	2021.02.09	Last Cali			1899.12.	psig 30
Start Time:	07:28:00	End Time:	2	15:44:00	Time On		2021.02.0	9 @ 09:37:	
					Time Off			9 @ 12:50:	
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2000 1720 1220 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 1200 120 12	1st Shut-In 45 Minu 2nd Opening 45 Minu final Shut-in 90 Minu Pressure vs. Time Pressure vs. Time Pres	Ites no blow back Ites no blow back Ites no blow back Ites no blow back	he botto	Time (Min.) 0 1 11 56 57 102 192	on bucket ir Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	RESSUF Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	RE SUM Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu Final Hy Shut-In(End Shu	MARY ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mcf/d)
2000 1750 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 200 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2000 2	1st Shut-In 45 Minu 2nd Opening 45 Minu final Shut-in 90 Minu Pressure vs. Time Pressure vs. Time Pres	Volume (bbl)	he botto	Time (Min.) 0 1 11 56 57 102 192	on bucket ir Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	RESSUF Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	RE SUM Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu Final Hy Shut-In(End Shu	MARY ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mcf/d)
2300 1770 1500 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 1700 170 17	1st Shut-In 45 Minu 2nd Opening 45 Minu final Shut-in 90 Minu Pressure vs. Time Pressure vs. Time Pres	Volume (bbl)	he botto	Time (Min.) 0 1 11 56 57 102 192	on bucket ir Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	RESSUF Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	RE SUM Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu Final Hy Shut-In(End Shu	MARY ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mcf/d)
2000 2750 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 2700 270 27	1st Shut-In 45 Minu 2nd Opening 45 Minu final Shut-in 90 Minu Pressure vs. Time Pressure vs. Time Pres	Volume (bbl) Volume (bbl) 0.30	he botto	Time (Min.) 0 1 11 56 57 102 192	on bucket ir Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	RESSUF Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	RE SUM Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu Final Hy Shut-In(End Shu	MARY ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mcf/d)
2000 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750 1750	1st Shut-In 45 Minu 2nd Opening 45 Minu final Shut-in 90 Minu Pressure vs. Time Pressure vs. Time Pres	Volume (bbl) Volume (bbl) 0.00 0.30 0.60	he botto	Time (Min.) 0 1 11 56 57 102 192	on bucket ir Pressure (psig) 1897.72 121.60 195.66 924.57 299.27 281.55 837.75	RESSUF Temp (deg F) 101.30 100.91 101.06 102.79 102.63 104.42 107.32 107.55	RE SUM Annota Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu Final Hy Shut-In(End Shu	MARY ation dro-static b Flow (1) 1) tt-In(1) b Flow (2) 2) tt-In(2) dro-static	Gas Rate (Mcf/d)

			DRII	LL STE	MTEST	REPO	RT	TOOL DIAGRAM
			Youmge	er Energy Cor	mpany		30-25s-12w Stafford	
			9415 E	harry Streets	Suite403		christie #21-2	
amas	and f	amena.	building Wichita	400 Kansas 6720	דו		Job Ticket: 01462	DST#:1
Shem Q			,	Keith 'Reavis			Test Start: 2021.02.09 @	07:25:00
Tool Informatio	on		ļ					
Drill Pipe:	Length:	3585.00 ft	Diameter:	3.80 in	ches Volume:	50.29 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	2.76 in	ches Volume:	0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length:	179.00 ft	Diameter:	2.25 in	ches Volume:	0.88 bbl	Weight to Pull Loose:	70000.00 lb
		00.00.0		-	Total Volume:	51.17 bbl	Tool Chased	0.00 ft
Drill Pipe Above k		32.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Pac		3760.00 ft					Final	61000.00 lb
Depth to Bottom I Interval betw een		ft 90.03 ft						
Tool Length:	Packers.	90.03 ft 118.03 ft						
Number of Packe	re.	118.03 IT	Diameter:	6.75 in	ches			
Tool Comments:		2	Diameter.	0.75 11	01105			
Tool Descriptio	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool			5.00			3737.00		
Hydraulic tool			5.00			3742.00		
Jars			6.00			3748.00		

3755.00

3760.00

3760.75

3822.28

3823.03

3845.03

3846.03

3847.03

3850.03

Inside

Outside

28.00

90.03

Bottom Of Top Packer

Anchor Tool

Total Tool Length: 118.03

5.00

5.00

0.75

61.53

0.75

22.00

1.00

1.00

3.00

9119

9139

Top Packer

Change Over Sub

Change Over Sub

Packer

Drill Pipe

Anchor

Recorder

Recorder

Bullnose

	DRILL STEM TEST RE	PORT	FLUID SUMMARY
	Youmger Energy Company	30-25s-12wStafford	
	9415 Eharry StreetSuite403	christie #21-2	
Great Bend, Kaneas	building 400 Wichita,Kansas 67207	Job Ticket: 01462	DST#: 1
	ATTN: Keith 'Reavis	Test Start: 2021.02.09 (@ 07:25:00
Mud and Cushion Information	ł		
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API

I wuu iype. G		ousmon type.			ueg AFI
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	55.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	6.80 in ³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3600.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Leng	,		Description		Volume bbl
	0.00	180 gas in	the pipe		0.000
	60.00	slightlyh o	il and gas cut mu	d	0.295
	0.00	5% Gas 8	% Oil 80% Mud 7	'% Water	0.000
	120.00	Gas oil an	d water cut mud		0.599
	0.00	10% Gas	20% Oil 50%Mud	20% water	0.000
	60.00	gassy oil o	cut muddy water		0.842
	0.00	45 Gas 10	% Oil 20% Mud 2	5% Water	0.000
	60.00	oil and gas	s cut muddy wate	er	0.842
	0.00	20% Gas	15% Oil 35%Mud	30% Water	0.000
	60.00	oil and gas	s cut muddy wate	er	0.842
	0.00	20% Gas	10% Oil 30 %Muc	40% Water	0.000
	0.00	Chlorides	38,000		0.000
Total Length:	360	00 ft	Total Volume:	3.420 bbl	

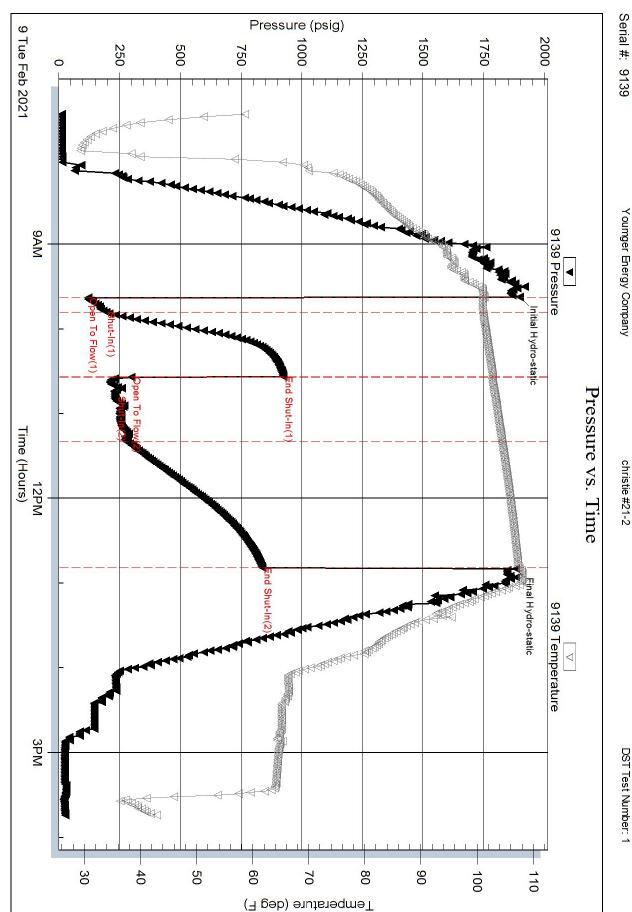
Num Fluid Samples: 0

Laboratory Name: Recovery Comments: Num Gas Bombs: 0 Laboratory Location: Serial #:

Printed: 2021.02.09 @ 16:36:41

Ref. No: 01462





Youmger Energy Company

christie #21-2

DST Test Number: 1



DRILL STEM TEST REPORT

Prepared For: Youmger Energy Company

9415 E harry StreetSuite403 building 400 Wichita, Kansas 67207

ATTN: Keith 'Reavis

christie #21-2

30-25s-12wStafford

Start Date:	2021.02.10 @	0 17:12:00	
End Date:	2021.02.11 @	01:22:00	
Job Ticket #:	01463	DST #:	2

Eagle Testers 1309 Patton Road Great Bend, Kansas 67530 620-791-7394

					ORT				
		Youmger Energy Company	у		30-	25s-12w	Staffor	ď	
	<u>apuarp</u>	9415 E harry StreetSuite4	103		chi	ristie #2 [.]	1-2		
Grand	Bend Kanene	building 400 Wichita,Kansas 67207			Job	Ticket: 01	1463	DST	#:2
<i>O</i> rear (ATTN: Keith 'Reavis			Tes	t Start: 20	021.02.10) @ 17:12:0	0
GENERAL II	NFORMATION:								
Formation:	kinderhook				-		o "		
Deviated: Time Tool Oper Time Test Ende		ft (KB)			Tes	ter:	Gene buc 1		Hole (Initial)
Interval: Total Depth: Hole Diameter:	4061.00 ft (KB) (T	0 61.00 ft (KB) (TVD) √D) e Condition: Fair			Ref	erence ⊟e KB t	evations: to GR/CF:	1889.	00 ft (KB) 00 ft (CF) 00 ft
Serial #: 91 Press@RunDe Start Date: Start Time:		@ 4057.00 ft (KB) End Date: End Time:	2	2021.02.11 01:22:00	Capacity Last Cali Time On Time Off	b.: Btm: 2		5000. 1899.12. 10 @ 19:23: 10 @ 22:36:	:00
	Pressure vs. 'I	Tranc ⊽ 919) Forspanaure			PI	RESSUF			
	9149 Processor	9H9 Townshins	+						
2000		SHID Tempendure	110	Time (Min.)	Pressure (psig)	Temp (deg F)	Annot		
2000	9HE Produce	919 Tonposke	- 110 	(Min.) 0	Pressure (psig) 2038.22	Temp (deg F) 106.49	Annot	ation /dro-static	
1750		919 Temperature	-	(Min.)	Pressure (psig)	Temp (deg F) 106.49 106.08	Annot Initial Hy Open To	ation /dro-static o Flow (1)	
		919 Tempenke	- 100	(Min.) 0 1	Pressure (psig) 2038.22 53.98	Temp (deg F) 106.49 106.08 106.14 107.21	Annot Initial Hy Open To Shut-In(End Shu	ation /dro-static o Flow (1) (1) ut-In(1)	
1750		919 Tomparke		(Min.) 0 1 10 55 57	Pressure (psig) 2038.22 53.98 61.68 960.19 56.91	Temp (deg F) 106.49 106.08 106.14 107.21 106.98	Annot Initial Hy Open To Shut-In(End Shu Open To	ation /dro-static o Flow (1) (1) ut-In(1) o Flow (2)	
1729		919 Temponke		(Min.) 0 1 10 55	Pressure (psig) 2038.22 53.98 61.68 960.19	Temp (deg F) 106.49 106.08 106.14 107.21	Annot Initial Hy Open To Shut-In(End Shu Open To	ation /dro-static o Flow (1) (1) ut-In(1) o Flow (2) (2)	
		919 Engender Project and Project and Proj	- - - - - - - -	(Min.) 0 1 10 55 57 100	Pressure (psig) 2038.22 53.98 61.68 960.19 56.91 83.94	Temp (deg F) 106.49 106.08 106.14 107.21 106.98 107.99	Annot Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu	ation /dro-static o Flow (1) (1) ut-In(1) o Flow (2) (2)	
			Temperatura (Geg F) 99 70 70 70 80 70 70 70 70 70 70 70 70 70 70 70 70 70	(Min.) 0 1 0 55 57 100 192	Pressure (psig) 2038.22 53.98 61.68 960.19 56.91 83.94 1060.74	Temp (deg F) 106.49 106.08 106.14 107.21 106.98 107.99 110.61 111.22	Annot Initial Hy Open To Shut-In(End Shu Shut-In(End Shu Final Hy	ation /dro-static o Flow (1) (1) ut-In(1) o Flow (2) (2) ut-In(2) /dro-static	
			Temperatura (Geg F) 99 70 70 70 80 70 70 70 70 70 70 70 70 70 70 70 70 70	(Min.) 0 1 0 55 57 100 192	Pressure (psig) 2038.22 53.98 61.68 960.19 56.91 83.94 1060.74	Temp (deg F) 106.49 106.08 106.14 107.21 106.98 107.99 110.61 111.22	Annot Initial Hy Open To Shut-In(End Shu Open To Shut-In(End Shu Final Hy	ation /dro-static o Flow (1) (1) ut-In(1) o Flow (2) (2) ut-In(2) /dro-static	Gas Rate (Mcf/d)
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		er Energy Company			30-	25s-12w	Staffo	ord	
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Great Sends Kan		,Kansas 67207 Keith 'Reavis						10 @ 17:12:0	
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formation: kinderhoo					Таа	4 Turney (Convent	tional Dattan	
eviated: No Wh ime Tool Opened: 19:23:00	ipstock:	ft (KB)			Tes		Gene bu		Hole (Initial)
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nterval: 4033.00 ft (KE	s) To 4061.00 ft (KB) (TVD)			Ref	erence Ele	evations	: 1897	.00 ft(KB)
•	t (KB) (TVD)								.00 ft (CF)
lole Diameter: 7.88 i	nchesHole Condition	n: Fair				KB t	o GR/Cl	F: 8	.00 ft
Serial #: 9139 Outs	side								
		58.00 ft (KB)			Capacity				.00 psig
		nd Date: nd Time:	2021.02 01:21		Last Calil Time On		2021 02	1899.12 19:22 @ 10:22	
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			DRII	L STE	M TEST	REPOF	RT	TOOL DIAGRAI
			Youmge	er Energy Cor	mpany		30-25s-12w Stafford	
				harry Streets	Suite403		christie #21-2	
Correct E	and the	amana	building Wichita	400 Kansas 6720	17		Job Ticket: 01463	DST#:2
Juin 0				Keith 'Reavis			Test Start: 2021.02.10 @	0 17:12:00
Tool Informatio)n		ļ					
Drill Pipe:	Length:	3825.00 ft	Diameter:	3.80 in	ches Volume:	53.65 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length:	9.00 ft	Diameter:	2.76 in	ches Volume:	0.07 bbl	Weight set on Packer	: 20000.00 lb
Drill Collar:	Length:	179.00 ft	Diameter:	2.25 in	ches Volume:	0.88 bbl	Weight to Pull Loose:	75000.00 lb
	-			-	Total Volume:	54.60 bbl	Tool Chased	0.00 ft
Drill Pipe Above k		8.00 ft					String Weight: Initial	60000.00 lb
Depth to Top Pac		4033.00 ft					Final	61000.00 lb
Depth to Bottom I		ft						
Interval between	Packers:	28.00 ft 56.00 ft						
Tool Length: Number of Packe		56.00 II 2	Diameter:	6.75 in	aboa			
Tool Comments:	13.	Z	Diameter.	0.75 m	51163			
Tool Descriptio	on	Le	ngth (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Shut In Tool			5.00			4010.00		
Hydraulic tool			5.00			4015.00		
Jars			6.00			4021.00		
Safety Joint			2.00		Fluid	4023.00		
callety count			5.00			4028.00		
Top Packer			5.00			4020.00		
•			5.00			4033.00	28.00	Bottom Of Top Packer

Inside

Outside

4057.00

4058.00

4061.00

28.00

Anchor Tool

Recorder

Recorder

Bullnose

1.00

1.00

3.00

56.00

Total Tool Length:

9119

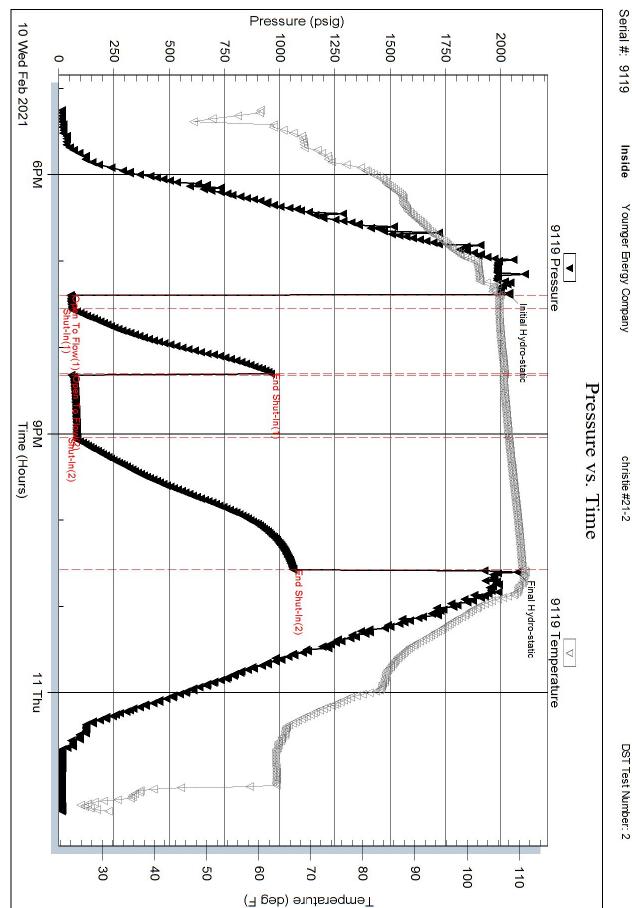
9139

P3P43		DRI	LL STEM TEST REPORT	-		FLUID S	
		Youmg	er Energy Company	30-25s-12	wStafford		
	<u>sters</u>	9415 I	Eharry StreetSuite403	christie #	21-2		
Anna Par	A Common	building	g 400	Job Ticket: ()1463	DST#:2	
grear Dell			ı,Kansas 67207 Keith 'Reavis	Test Start: 2	2021.02.10 @ 1	17.12.00	
-		ATTN.	Neith Neavis		2021.02.10 @ 1	17.12.00	
Mud and Cushic	on Information						
Mud Type: Gel Che	em		Cushion Type:		Oil API:		deg API
Mud Weight:	9.00 lb/gal		Cushion Length:	ft	Water Salinity	:	ppm
√iscosity:	53.00 sec/qt		Cushion Volume:	bbl			
Nater Loss:	6.80 in ³		Gas Cushion Type:				
Resistivity:	ohm.m		Gas Cushion Pressure:	psig			
Salinity: 98	800.00 ppm						
filter Cake:	1.00 inches						
Recovery Inform	nation						
			Recovery Table		_		
	Leng ft	th	Description	Volume bbl			
		0.00	800 feet of gas in the pipe	0.00	<u>)</u>		
		60.00	slightly oil cut mud 10%Oil 90%Mud	0.31	-		
		60.00	gassy oil cut mud 30%Gas20%Oil 48%Mud				
		0.00	right above the tool 70%Gas 20%Oil	0.00			
		0.00	8%Mud 2%w ater	0.00	ס		
	Total Length:	120	.00 ft Total Volume: 0.612 bbl				
	Num Fluid Samp	les: 0	Num Gas Bombs: 0	Serial #	:		
	Laboratory Nan		Laboratory Location:	0011011			
	Recovery Com						
		nonto.					



Ref No: 01463

Eagle Testers



Youmger Energy Company

Inside

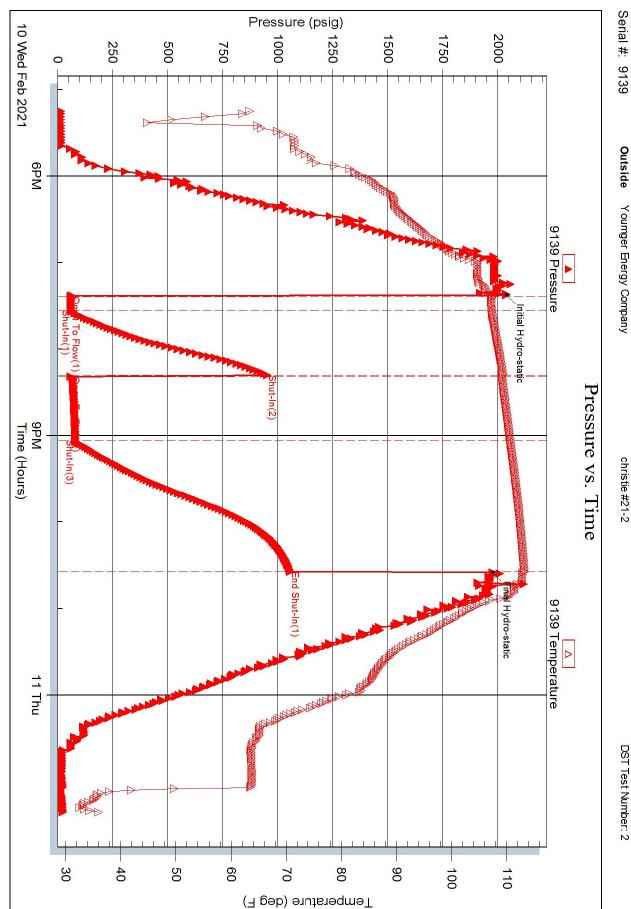
christie #21-2

DST Test Number: 2



Ref No: 01463

Eagle Testers



Outside Younger Energy Company

christie #21-2

DST Test Number: 2



HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

RECEIVED FEB 1 5 2021

YOUNGER ENERGY COMPANY 9415 E HARRY ST SUITE 403, BUILDING 400 WICHITA, KS 67207-5083	Invoice Date: Invoice #: Lease Name: Well #: County: Job Number: District:			
Date/Description	HRS/QTY	Rate	Total	
Surface	0.000	0.000	0.00	
Cement Pozmix 60/40	375.000	9.100	3,412.50	
Calcium Chloride	969.000	0.525	508.73	
Cello Flake	94.000	1.225	115.15	
Light Eq Mileage	15.000	1.400	21.00	
Light Eq Mileage	15.000	2.800	42.00	
Ton Mileage	242.000	1.050	254.10	
Cement Pump Service	1.000	525.000	525.00	

Coment surface (sg

Total 4,878.48

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice. **SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the

well information provided by the customer in identifying whether the services performed on wells qualify for exemption.



WE APPRECIATE YOUR BUSINESS!

Cuetomor

of

2



Service District Pratt Kansas County & State Legals STAR 30-28-12w Job 2 Job Type Surface PROD IN SWD Ww Wolf? YES No YES Wey 1129 Severate District Pract Kansas County & State SWD Ww Wolf? YES No YES No Yes Wey 1129 Severate Main Severation District Yes Integration Severation Severation Severation Wey 1129 Severation District Yes No No Wey 1129 Wey 1129 Severation District Yes No No Wey 1129 Severation Gloves Lockout/Tagout Warning Signs & Flagging 267 R Ostoorn H2X Monitor Eye Protection Respiratory Protection State Parmits Specific Job Sequence/Expectations 191632 B Whitterlid Safety Pootwear Respiratory Protection Site Point/Medical Locations 191633 G Mclemore PRC/Protection If Re Extinguisher Additional Concerns or issues noted below 191630 Description If Re Extinguisher Additional Concerns or issues noted below 19160 Calum Childer Safety Pootwear Safety Pootwear Bescription </th <th>Customer</th> <th>Vourner Edansu</th> <th>Company</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>the second s</th> <th>-</th> <th></th> <th></th>	Customer	Vourner Edansu	Company						the second s	-		
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	Up	analy 1 2 3	4 5	678	9 <u>10 Este</u>					Total	•	4 879 49
						1	USI Demos	at mile an -	-		-	-,010.46

ISI Representative: Terms: Cash in advance unless Humicane Services inc. (HSI) has approved credit prior to sale. Credit terms of sale for approved accounts are total invoice due on or before the 30th day from the date of invoice. Past due accounts shall pay interest on the balance past due at the rate of 1 X% per month or the maximum allowable by applicable state or federal taxes, in the event it is necessary to employ an agency and/or attorney to providuatly applied in arriving at net invoice price. Upon revocation, the full invoice price without discount is immediately due and subject to collection. Prices quoted are estimates only and all good far 30 days from the services. Any discount is based on 30 days net payment terms or cash. <u>Disc. LANEER AND TOR</u>: Technical data is presented in good far 30 days from these recommendations made concerning the results from the use of one yender. The information presentate is a dest estimate of the actual results that may be achieved and should be used for comparison purposes and HSI makes no guarantee of all customer owned equipment and property while HSI is on location performing services. The authorization below acknowledges the receipt and acceptance of all terms/conditions below, and Humicane has been provided accurate well information in determining taxable services.

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· Emilie Batro

CUSTOMER AUTHORIZATION SIGNATURE



CEMEN	TTR	EATMEN	NT REP	PORT				
Cus	tomer	Younge	er Energ	y Company	Well:	Christie 21	-2 Ticks	um (420
City	State	luka Ka	nsas		County:			
		Emigdi				stafford Kan		
		gan	o nojao		S-T-R:	30-255-121	V Servic	e: surface
Dow	mhoie	Informati	on		Calculated S	lurry - Lead	c	alculated Slurry - Tail
Hel	e Size	7 7/8	l In]	Blend:	375 60/40 2 & 3	Blen	
	Depth		i ft		Weight:	14.8 ppg	Weigh	
	g Size				Water / Sx;	5.2 gal / sx	Water / S	
Casing Tubing !					Yield:	1.21 ft ³ /sx	Yiel	d: ft ³ /ax
	Depth:		in ft		Annular Bbis / Ft.:	biss / ft.	Annalar Bbis / Fi	bbs / ft.
Tool P			12		Depth:	ft .	Dept	
	Depth:		ft		Annular Volume:	eidd 0-0	Annular Volume	
Displace			bbis		Excess: Total Shurry:	81.0 bbis	Exces	
			STAGE	TOTAL	Total Sacks:	375 sx	Total Slurr Total Sacks	
TIME	RATE	PSI	BBLs	BBLs	REMARKS		Total Sach:	
1:30 AM	<u> </u>		· · ·	· · ·	on location job and safe	ty		
2:30 PM 3:30 PM	-			•	spot trucks and rig up			
4:10 PM	-			•	start casing in the hole			
4:40 PM	3.0	100.0	3.0	- 3.0	on bottom and circulate			
4:45 PM	-	100.0	81.0	81.0	pump 3 bbis water ahea start cement			
5:05 PM	3.5	100.0		01.0	cement on bottom and s	tart displacement		
5:18 PM	3.5	100.0	26.0	26.0	diplacement in and shut			
				26.0	cement did circulate			
				26.0				
				26.0				
	-							1
	-		-+					
			-+					
	- 1							
							1	
		CREW			UNIT		SUMMAR	ΥY
	enter:	M Bru	ngardt		916	Average Rate	Average Pressure	Total Fluid
Pump Ope		R Osb			267	3.4 bpm	100 psi	110 bbis
	ikiat. Iki#2:	B White G Mick			181/532			
00	10.92.		GIOILE					



RECEIVED FEB 2 5 2021

HURRICANE SERVICES INC

Remit To: Hurricane Services, Inc. 250 N. Water, Suite 200 Wichita, KS 67202 316-303-9515

Customer: YOUNGER ENERGY COMPANY 9415 E HARRY ST SUITE 403, BUILDING 400 WICHITA, KS 67207-5083	Invoice D Invoic Lease Na We Cou Job Num Dist	2/12/2021 0351538 Christie 21-2 (New) Stafford, Ks WP1155 Pratt	
Date/Description	HRS/QTY	Rate	Total
Longstring	0.000	0.000	0.00
H-Long	165.000	22.400	3,696.00
H-Plug	50.000	10.400	520.00
5 1/2" Floatshoe-Flapper AFU	1.000	300.000	300.00
5 1/2" LD Plug & Baffle	1.000	280.000	280.00
5 1/2" Turbolizers	8.000	64.000	512.00
Mud flush	1,000.000	0.800	800.00
Light Eq Mileage	15.000	1.600	24.00
Heavy Eq Mileage	15.000	3.200	48.00
Ton Mileage Minimum	1.000	240.000	240.00
Cement Pump Service	1.000	1,200.000	1,200.00
Cement Plug Container	1.000	200.000	200.00

(23) Comment Production (59

Total 7,820.00

TERMS: Net 30 days. Interest may be charged on past due invoice at rate of 1 ½% per month or maximum allowed by applicable state or federal laws. HSI has right to revoke any discounts applied in arriving at net invoice price if invoice is past due. If revoked, full invoice price without discount plus additional sales tax, as applicable, is due immediately and subject to interest charges. Customer agrees to pay all collection costs directly or indirectly incurred by HSI in the event HSI engages a third party to pursue collection of past due invoice. **SALES TAX:** Services performed on oil, gas and water wells in Kansas are subject to sales tax, with certain exceptions. HSI relies on the well information provided by the customer in identifying whether the services performed on wells qualify for exemption.

WE APPRECIATE YOUR BUSINESS!

Hugicane Sèrvices, Inc. 250 N. Water St., Suite #200 Wichita, KS 67202

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Gustomer	Younger Energy c	отрапу	Loose & Well #	christie 21-2				Date	2	/12/2021
Service District	Pratt Kansas		County & State	Stafford Kansas	Legals S/T/R	30 254	12w	Jeb≠		
Job Type	longstring	PROD			New Well?	VES	No.	Ticket≢		wp1186
Equipment #	Driver			Job Safety An	alysis - A Discus	tion of Hazards	& Safety Pro	ocedures		
75	KLesely	Hard hat		Gloves		Lockout/Ta	gout	Warning Sig	ns & Flaggin	9
179/520	R Osborn	H2S Monitor		Eye Protection		Required P	ermits	Fall Protection	D.	
181/632	B Whitfelid	Safety Footwa	ear	Respiratory Pro	otection	Slip/Trip/Fr	il Hazards	Specific Job	Sequence/Ex	pectations
	M Brungardt	FRC/Protectiv	e Clothing	Additional Che	mical/Acid PPE	Overhead I	lazards	Muster Point	Medical Loc	ations
		Hearing Prote	ection	Fire Extinguish	er	Additional	concerns or i	ssues noted below	r	
					Con	aments				
]								
Producti Service Cade		Descr	lation.		Unit of Measure	Quantity				Net Amount
cp030	H-Long		-		sack	165.00				\$3,696.00
cp055	H-Plug				sack	50.00				\$520.60
fe145	5 1/2" Float Shoe - /	AFU Flapper Type			ea	1.00				\$300.00
fe170	5 1/2" Latch Down I	Plug & Baffie			63	1.00				\$280.00
fe135	5 1/2 Turbolizer				66	8.00				\$512.00
cp170	Mud Flush				gal	1,000.00				\$800.00
m015	Light Equipment Mil	eage			mi	15.00				\$26.00
m010	Heavy Equipment N	to oliver and a second			ជាវ	15.00				\$48.00
m025	Ton Mileage - Minin	משי			each	1.00				\$240.00
c015	Coment Pump Serv	ice			68	1.00				\$1,200.00
c050	Cement Plug Conta	iner			job	1.00				\$200.00
				١.						
Cest	must Section 47m th	et lioning scale to	service its parson test	Humane Services					Net:	\$7,820.00
						Total Taxable	\$ -	Tax Rate:		> <
Ba	sed on this job, how	v likely is it you w	ould recommend	HSI to a colleague	7	State tax laws do			Sale Tax:	\$ <u>-</u>
							a relies on the	customer provided		
i i	unu; 1 2	3 4 5	6 7 8	9 10 Ea	anniy Litaly	well information of services and/or pr			Total:	\$ 7,820.00
								Mark Bring		Ψ (,620.00

CUSTOMER AUTHORIZATION SIGNATURE



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de la

EMENT T	REATM	ENT REP	ORT				
Custon	ner: Youn	ger Energ	y company	Well:	christle 21-2	Ticket	wp1155
City, St	ate: luka l	Kansas		County:	Stafford Kansa		
Field R	ep: Kelly	Branum		S-T-R;	30 25s 12w	Service	
	-						iongoù mg
	ste Inform	ation		Calculated Slu	nry - Lead	Cal	culated Slurry - Tail
Hole S		7/8 in		Blend:	h-long	Blend:	h-plug
Hole Dep		85 ft		Weight:	15.0 ppg	Weight:	13.7 ppg
Casing S Casing Dep		1/2 la 80 ft		Water / Sx:	6.0 gel / sx	Water / Sx:	
Tabing Lir		in		Yield:	1.42 ft ³ / sx	Yield:	
Der		ft ft		Annular Bbis / Ft.:	bbs / ft.	Annular Bbis Ft.:	bbs / ft.
Tool Pack				Depth: Annular Volume:	0.0 bbis	Depth: Annular Volume:	
Tool Dep		R		Excess:	0.0 8015	Excess:	aidd 0
Displaceme	ant: 08.43:	45 bbis		Total Sturry:	41.7 bbls	Total Slurry:	12.7 jubis
		STAGE	TOTAL	Total Sacks:	165 sx	Total Sacks:	
TIME RA	ATE PSI	BBLS	BBLs	REMARKS			
3:45 PM		+ ·	· ·	On location job and safety	/		
				spot trucks and rig up			
5:00 PM				start casing in the hole			
				contralizers on joints 1,3,	5,7,9,11,13,15		
8:05 PM	-	+ +		College of Brands			
8:25 PM		+ +		casing on bottom	d and about allocated wa		
0.201 8		1-1		rig up head and mannifok stop circulation	I BIRI SIBIT CITCUIRDON		
2:10 AM 2.5	180.	.0 24.0	24.0	start mud flush 24 bbis			
2:25 AM 5.0	-		41.7	mud flush in and start cer	nent		
				cement in 41 bbls slurry			
				wash pump and lines			
2:45 AM				start displacement pump	20 bbis fresh and switch to rig p	ump	
1:20 AM	600.	0.58 0.	98.0	displacement in took plug	from 600psi to `1500psi		
	_			release pei plug did hold			
		+ $+$					
		++					
		+ +					
		1					
		+ +					
	_						
	CRE			UNIT		SUMMAR	r De l'Unite de la l
Cement		Lesely		75	Average Rate	Average Pressure	Total Fluid
tump Operat	-	Osborn		179/520	3.8 bpra	367 psi	164 bbis
Bülk :		Waltfelid Brungardt		181/532			

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