KOLAR Document ID: 1616156

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No.:
Name:	Spot Description:
Address 1:	
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
	Producing Formation:
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ DH ☐ EOR	Total Vertical Depth: Plug Back Total Depth:
☐ OG ☐ GSW	Amount of Surface Pipe Set and Cemented at: Feet
CM (Coal Bed Methane)	Multiple Stage Cementing Collar Used? Yes No
Cathodic Other (Core, Expl., etc.):	
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to: 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 #:	Location of fluid disposal if fladica offsite.
GSW Permit #:	Operator Name:
_	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	QuarterSecTwpS. 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 Approved by: Date:

KOLAR Document ID: 1616156

Page Two

Operator Name:					Lease Nam	ne:			Well #:	
Sec Tw	pS. F	R [East	West	County:					
open and closed and flow rates if	, flowing and sh gas to surface t ty Log, Final Lo	nut-in pressurest, along wit	es, whe h final c ain Geo	ther shut-in pre hart(s). Attach physical Data a	essure reached extra sheet if r and Final Electr	station more : ric Loc	level, hydrosta space is needed	tic pressures, d.	bottom hole tempe	val tested, time tool erature, fluid recovery, Digital electronic log
Drill Stem Tests (Attach Addit			Ye	es No		Lo	og Formatio	n (Top), Deptl	n and Datum	Sample
Samples Sent to	Geological Sur	vey	Ye	es 🗌 No		Name)		Тор	Datum
Cores Taken Electric Log Run Geologist Repor List All E. Logs F	t / Mud Logs		Y€ Y€	es No						
			Repo		RECORD [Nev	w Used rmediate, producti	on. etc.		
Purpose of St		ze Hole Orilled	Siz	e Casing (In O.D.)	Weight Lbs. / Ft.		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
				ADDITIONAL	OF MENTING /					
Purpose:	[Depth	Typo	of Cement	# Sacks Use		EEZE RECORD	Typo a	nd Percent Additives	
Perforate Protect Ca Plug Back	Top	Bottom	туре	or cement	# Sacks Use	,u		туре а	ia reicent Additives	
Plug Off Z										
Did you perform Does the volum Was the hydraul	e of the total base	fluid of the hyd	draulic fra	cturing treatmen		•	Yes ns? Yes	No (If No	, skip questions 2 an , skip question 3) , fill out Page Three o	,
Date of first Produ	ction/Injection or	Resumed Produ	uction/	Producing Meth			Coolift 0	thor (Fundain)		
Estimated Produc	otion	Oil Bb	le.	Flowing Gas	Pumping Mcf	Wate		ther <i>(Explain)</i> bls.	Gas-Oil Ratio	Gravity
Per 24 Hours		Oli Bb	15.	Gas	IVICI	vvale	ı Di	JIS.	Gas-Oil Hallo	Gravity
DISPO	OSITION OF GAS	S:		N	METHOD OF CO	MPLE.	TION:		PRODUCTIO	N INTERVAL:
Vented	Sold Use	d on Lease		Open Hole		Dually		nmingled	Тор	Bottom
(If vente	ed, Submit ACO-18	.)			(5	SUDITIIL I	ACO-5) (Subi	mit ACO-4)		
Shots Per Foot	Perforation Top	Perforation Bottom	on	Bridge Plug Type	Bridge Plug Set At		Acid,		Cementing Squeeze Kind of Material Used)	Record
TUBING RECOR	D: Size:		Set At:		Packer At:					

Form	ACO1 - Well Completion
Operator	EPOC, LLC
Well Name	T. WIEBE 31-8
Doc ID	1616156

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	21	237	Class A	Caclz 3% Gell 2% Floseal 1/4# per SX
Production	7.875	5.5	15.5	2567	Thick Set	Kol-seal 5# pe SX Phenoseal 2# per SX

OE 7TH 20 Box 92 JREKA, KS 67045 (620) 583-5561



Cement or Acid Field Report Ticket No. 6079 Foreman Kevin McCoy Camp EURCKA

Date					K	19 2				
	Cust. ID #	Leas	se & Well Number		Section		wnship	Range	County	State
12-3-2	1 1423	T. WIE	ebe #51-8		31	χ.	35	56	Butle	2 15
Customer				Safety	Unit #		Driv	/er	Driver	
E	POC LLC			Meeting	104					
Mailing Add			or have sensetted	SF	112					
3/	3 E. AARO.			BW			11/1/21	0.		The state of the s
City		State	Zip Code	AB			Sale of	SE BUTLER VON F. R. W. B. STAINS TUBING Drill Pipe Other BPM OUP to 51/2 CASINS. S ST W/ 5 *KOL-SEAL /S) OF LINES. Shut JOWN C. (FIRST 30 EBL W/ KOL LEASE PRESSURE, FTOR 1.40 90.00 11.40 90.00 340.00 340.00 355.00 255.00		
ANdo	ver	15	67002		San			Marales L		
Job Type	LONGSTRING	Hole Den	oth _2610' K.B	. 1996	Slurry Vol. 3	5 Bbl	LONG.	string Ti	ıbina	
Casing Der	oth_2567'	5.4. Hole Siz	ze 77/8		Slurry Wt. 45	.8 #	20			
			eft in Casing		Water Gal/SK					Sheathiggs you
			ement PSI 900							Per Transport
										~~
Remarks:	SAFETY !	Veeting: US	ed S12 CASIN	ig Set	@ 2567	6.	L. K19	up to	5/2 CASIN	19. DREAK
Fumpin	? Pressure	900 PSI. BUI	no Plug to 15	400 PS.	1. Wait 2	mi	vs. Be	lease F	ressure.	FTOAT & Plug
Heid.	Good Circ	slation while	e Cementing.	Joh	Complete.	Rig	down		week kannen	risceise the con
	HILLS THE COLF	igh Richtphesson III :	ALL MORNEY III		919	-	midLin		miles in a	1
	HOTE STREET HER	Moderate to Calculate	necess ad Jen		Ballina	973	Harris Belli	to counce	boll-white	
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1/09 R.	H. & M.H.		Comment const					and the same		
		2, 6, 20, 35 4								
Code	Qty or Units		of Product or Servi	ices				Unit	Price	Total
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		Pump Charge								1100.00
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C 107	40		Fone making		r death nev or	o už i	nulmi Jez Jia čevi			
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79/03/20	145 sks 725 *	Mileage	Cement		ritseb n	o už j tolev (tem	TW. Sellier Selection Courses	22.	55° 52° #	168.00
C 20/	145 sks 725 *	Mileage THICK SET KOL-SEAL S	Cement 5*/sk		n death ner or onto	o uz s loleu (nem oyo	Outo Series	22.	55° 52° #	3269.75
C 20/	145 sks	Mileage THICK Set	Cement 5*/sk		dissipa to san scato	o u2) lola) (sem	COUNTY OF THE CO	22.	55° 52° #	3269.75 377.60
C 20/	145 sks 725 *	Mileage THICK SET KOL-SEAL S	Cement 5*/sk	1	10 790 10 790	O UZ 1 Tolea Them To you	nulle fair O la cilit oraco pre oraco pre	22.	4.20 55 52 # 45 #	3269.75 377.60
C 20/ C 207 C 208	145 sks 725 * 290 *	Mileage THICK SET KOL-SEAL S The NO SEAL	Cement 5*/sk 2*/sk	LIU NII	11690 p. 100 p.	O UZ 1 Tolke) Cham w you	Color Special Color	1.	4.20 55 52 # 45 #	3269.75 377.60 420.50
C 20/ C 207 C 208 C 108 B	145 sks 725 * 290 * 7.98 Tons 4 HLS	Mileage THICK SET KOL-SEAL S THENO SEAL TON MILEAGE 80 BBL VAC	Cement 5*/sk 2*/sk	ANV TUTI MESS	15 (15 (15 (15 (15 (15 (15 (15 (15 (15 (o uz y toleu (sem o yo kane	COUNTY OF THE PROPERTY OF T	22. 1. 1.5 %.	7.20 55 52 # 45 #	3269.75 377.60 420.50
C 20/ C 207 C 208 C 108 B	145 sks 725 * 290 * 7.98 Tons	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC	Cement 5*/sk 2*/sk		10 year	O UZ (lole) (sem o yea o yea o yea o yea o yea o yea o yea o yea	Color Signification of the Color Signification o	22. 1. 1.3 90.	4.20 55 52 # 45 #	3269.75 377.60 420.50 446.88 360.00
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421	145 sks 725 * 290 * 7.98 Tons 4 HLS	Mileage THICK SET KEL-SEAL S The Mo SEAL TON MILEAGE 80 BBL VAC CITY WATER 51/2 LATCH	Cement 5*/sk 2*/sk TRUCK down Plug	'Atch	down			1.5 90. 11.00/ 266	4.20 55 52 # 45 #	3269.75 377.60 420.50 446.88 360.00 36.30
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661	145 sks 725 * 290 * 7.98 Tons 4 HLS	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATER 51/2 LATCH 51/2 AFU FI	Cement 5*/sk 2*/sk Truck down Plug down Plug	'Atch	down		Could July on the could be cou	1.5 96. 11.00 / 266 346	1.20 55 52 # 45 #	3269.75 377.60 420.50 446.88 360.00 36.30 266.00
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661 C 504	145 SKS 725 * 290 * 7.98 TONS 4 HRS 3300 9AKS 1	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATEL 51/2 LATCH 51/2 AFU FI 51/2 X 71/3	Cement 5*/sk 2*/sk TRUCK down Plug	atch c	down	O William Communication of the	TURE	22. 1. 1.2 90. 11.00/ 266 345	4.20 55 52 # 45 # 10 00 1000 .00 0.00 5.00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00 340.00
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661	14.5 SKS 725 * 290 * 7.98 Tons 4 HRS 3300 9AKS 1	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATER 51/2 LATCH 51/2 AFU FI	Cement 5*/sk 2*/sk Truck down Plug down Plug	'Atch	down	Paul I		22. 1. 1.2 90. 11.00/ 266 345	4.20 55 52 # 45 # 10 00 1000 .00 0.00 5.00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661 C 504	145 SKS 725 * 290 * 7.98 TONS 4 HRS 3300 9AKS 1	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATEL 51/2 LATCH 51/2 AFU FI 51/2 X 71/3	Cement 5*/sk 2*/sk Truck down Plug down Plug	'Atch	down	Carriera (Carriera (Carrie		22. 1. 1.2 90. 11.00/ 266 345	4.20 55 52 # 45 # 10 00 1000 .00 0.00 5.00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00 340.00
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661 C 504	145 SKS 725 * 290 * 7.98 TONS 4 HRS 3300 9AKS 1	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATEL 51/2 LATCH 51/2 AFU FI 51/2 X 71/3	Cement 5*/sk 2*/sk Truck down Plug down Plug	'Atch	down	tolar	Tales des	22. 1. 1.2 90. 11.00/ 266 345	4.20 55 52 # 45 # 10 00 1000 .00 0.00 5.00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00 340.00
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C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661 C 504	145 SKS 725 * 290 * 7.98 TONS 4 HRS 3300 9AKS 1	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATEL 51/2 LATCH 51/2 AFU FI 51/2 X 71/3	Cement 5*/sk 2*/sk TRUCK down Plug fort Shoe w/ L. Centralizers	olu olu olu olu olu olu olu olu olu olu	down			22. 1. 1.2 96. 11.00/ 266 346 5. 30	4.20 55 52 # 45 # 10 00 1000 .00 5.00 .00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00 340.00 275.00
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661 C 504	145 SKS 725 * 290 * 7.98 TONS 4 HRS 3300 9AKS 1	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATEL 51/2 LATCH 51/2 AFU FI 51/2 X 71/3	Cement 5*/sk 2*/sk Truck down Plug down Plug	olu olu olu olu olu olu olu olu olu olu	down	1		22. 1. 1.2 96. 11.00/ 266 346 5. 30	1.20 55 52 # 45 # 10 00 1000 .00 5.00 .00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00 340.00 45.00 7,104.43 371.57
C 20/ C 207 C 208 C 108 B C 113 C 224 C 421 C 661 C 504 C 222	145 sks 725 * 290 * 7.98 Tons 4 HRS 3300 gals 1 1 1.5 gals	Mileage THICK SET KOL-SEAL TON MILEAGE 80 BBL VAC CITY WATEL 51/2 LATCH 51/2 AFU FI 51/2 X 71/3	Cement 5*/sk 2*/sk TRUCK down Plug fort Shoe w/ L. Centralizers	и	down	6.5	%	22. 1. 1.2 96. 11.00/ 266 346 5. 30	4.20 55 52 # 45 # 10 00 1000 .00 5.00 .00	3269.75 377.60 420.50 446.88 360.00 36.30 266.00 340.00 275.00

Z7TH Box 92 ZKA, KS 67045 (320) 583-5561



C4 G

Cement or Acid Field Report
Ticket No. 6059
Foreman David Gardner
Camp Europa

11 15-01	5-24/56							
Date	Cust. ID#	Lease & Well Number		Section	Township	Range	County	State
11-29-21	1423	T. Wiebe #31-8	8	31	235.	5 E.	Butler	KS
Customer			Safety	Unit#	Driv		Unit#	Driver
EPU	C, LL		Meeting	105	Jaso	n		
Mailing Address	-		DG	110	Brok	er	I for regions ills	
313	E. Agr	on Dr.	BW	2 100/00				of regime
City		State Zip Code	1,000				A will the train	
Andove	_	KS 67002						and the second
Job Type	rface	Hole Depth <u>253' K.1</u>	B.	Slurry Vol.	36 Bb1	Tub	ping	
Casing Depth_	237.32'	6.L. Hole Size 12 1/4"		Slurry Wt	154		I Pipe	
Casing Size & M	1 85/6"	23" Cement Left in Casing 15"	/	170				The same of the sa
				Water Gal/SK			er	-
Displacement_				Bump Plug to			VI N	
Remarks: 5	afety m	lecting: Rig up to 85/8	" casi	ng. Break	circulati	on w/1	O Bbl fresh	water.
Mixed 1	DO SKS	(1955 A Cement W/ 3	% Carl	7 7% be	1 /4 / 1/15	00 1/5× 6	0 15%	11/1/25
= 36 Bb1 s	lurry I	Displace w/ 143/4 Bb1 -	fresh	water. St	ut down	Close co	sins in Gar	d
circulation	(a all .	times while cementing.	Good	coment	returns 7	to surfa	ce = 5 Bb1	Sturry
to pit. Jo	b compl	etc. Rig down.		AT NO				-
I judement I	and amile he	s operation stand animoma		all or dish	ndam busieso	ibera men	skowi sastrna g	BURLESSE.
Liftine stu		Market I studentsom ni			ul zaminika je	Nutra permut	WATER TO STATE OF	*
LCM harts		not be proposible buildings		anillan		la lettre: h	nar espirator target	
E CANAL DE		One of the second secon			NEW THE PERSON	NEW WITT	THE PARTY IN	
								1460

Code	Qty or Units	Description of Product or Services	Unit Price	Total
0101	1	Pump Charge	890.00	890.00
C107	40	Mileage	4.26	168.00
Pulla	turnen orter date	tipes of Customer or	rein and represent	pigme to
C200	150 SKS	Class A Cement	17.35	2602,50
CZ05	420#	Caclz 3%	.69	289.80
CZ06	280#	Gel 2%	.28	78.40
C209	40#	Ploseal 1/4#/sk	2.60	104.00
		THE REPORT OF THE PARTY OF THE	p States and at much	a bread of
C108B	7.05 Tons	Ton Mileage Bulk Truck	1.46	394.80
		Per and Second Section of the s		-Ulas .
		Fax a very service of the service of	Henrico esagran	<u></u>
7	H-127-1361	and the second s		94
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		and the state of the second of the series of the second of	HEADER FOR THE SAME	2 f. man - 1,00 - 1
	Meso will sell the			
		Thank Ver	61711	11-7-3-5
		I MANK YOU	Sub Tutal Less 5%	4,527.50
		6.5%	Sales Tax	236.37 199.85
	ation by J			4,490.98

				Ţ			
201	c	23	0.020	T C	237	7 875	Two
237	0	23	8 625	237	0	10 05	One
To	From	Wat	Size	<mark>7</mark>	From	₽ -	Rin No
3	Casing Reco		-	Tray Ollocit	rehole Record		VVIII COOCU DY
	Rill Stout	RII	1 =	D. Scillide		ed by	Witnessed By
			ridt Sidt		LUCATION	- 1	Equipment
			200	3 Hours	TO TO		Operati
				102	T1	Max. Rec. Temp. F	Max. R
				Full	1		Level
				9.6		sity	Density
				1100	Ľ	Salinity, PPM CL	Salir
				Chemical		「ype Fluid In Hole	Type F
				1500	⁄al	「op Logged Interval	Top Lo
				2606	terval	Bottom Logged Interval	Bottom
				2607		_ogger	Depth Logger
				2610)riller	Depth Driller
			/DIL	CNL/CDL/ML/DIL		og	Type Log
				One		mber	Run Number
				12/3/2021			Date
G.L. 1460			Kelly Bushing		Drilling Measured From	Co	
N.D. 1409		<u></u>	Kelly Bushing		Log Measured From	eld oun ate	om ell
_	Elevation 1460		Ground Level		Permanent Datum	•	pan
		RGE 5E		SEC 31 TWP 23S	S	Bu	-
		Ë	_ 1320 F	2850 FSL 1320 FEL		zlett tler nsas	OC, L Wiebe
Other Services	6-00-00	15-015-24156-00-00		API#:	Location:		
Kansas	State Ka	St		Butler	County		1-8
				Hazlett	Field		
		∞	e #31	T. Wiebe #31-8	Well		
			C	EPOC, LLC	Company		
					MIDWEST WIRELINE	MIDWEST	
OG YTK	DUAL COMP POROSITY MICRO & DUAL IND LOG	OMP & DU/	AL C	MIC		3	
						-	

All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

<<< Fold Here >>>

Comments

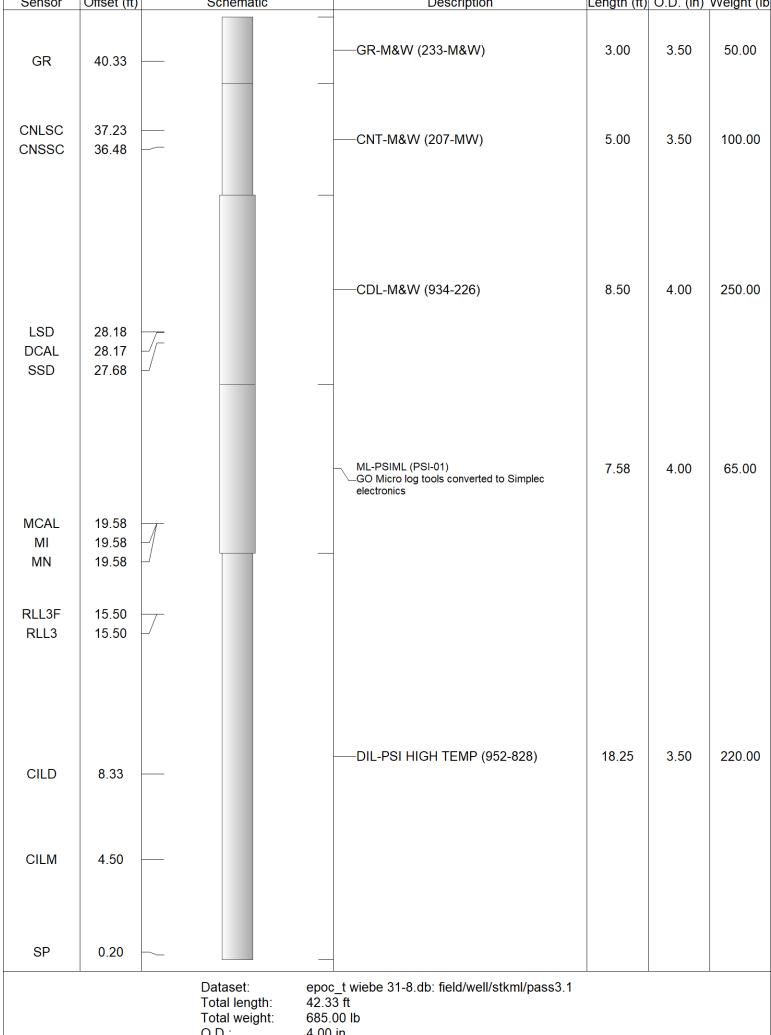
N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Newton, East on 150th to Purity Springs Rd, 2.5 South, West into

Log Measured From: Kelly Bushing 9 Ft. Above Permanent Datum

THANK YOU FOR USING MIDWEST WIRELINE LLC 785-625-3858

Your Midwest Wireline Crew	This Log Record Was Witnessed By
Engineer: D. Schmidt	Primary Witness: Ray Gilbert
Operator:	Secondary Witness: Bill Stout
Operator:	Secondary Witness:
Operator:	Secondary Witness:



O.D.:

4.00 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\epoc t wiebe 31-8.db Dataset field/well/stkml/pass3.1/_vars_

Top - Bottom

	2			2	19	18	
Α	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
1	7.875	102	5.5	0	1	2	2.71
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
Limestone	0	0	0	103	50	Off	2607

Variable Description

A: Cement Factor (a) BOREID: Borehole I.D.

BOTTEMP: Bottom Hole Temperature

CASEOD: Casing O.D. CASETHCK : Casing Thickness

FLUIDDEN: Fluid Density M: Cement Exp (m)

MATRXDEN: Matrix Density

NPORSEL: Neutron Porosity Curve Select

PERFS: Perforation Flag

SNDERR: Deep Sonde Error Correction SNDERRM: Medium Sonde Error Correction

Compensated Density (pu)

-10

SPSHIFT: S.P. Baseline Offset SRFTEMP: Surface Temperature

SZCOR: CN Size Cor.? TDEPTH: Total Depth



2" SCALE BULK DENSITY

MAIN PASS

30

Database File

epoc_t wiebe 31-8.db

150

Dataset Pathname

Gamma Ray (GAPI)

stkml/pass4.1

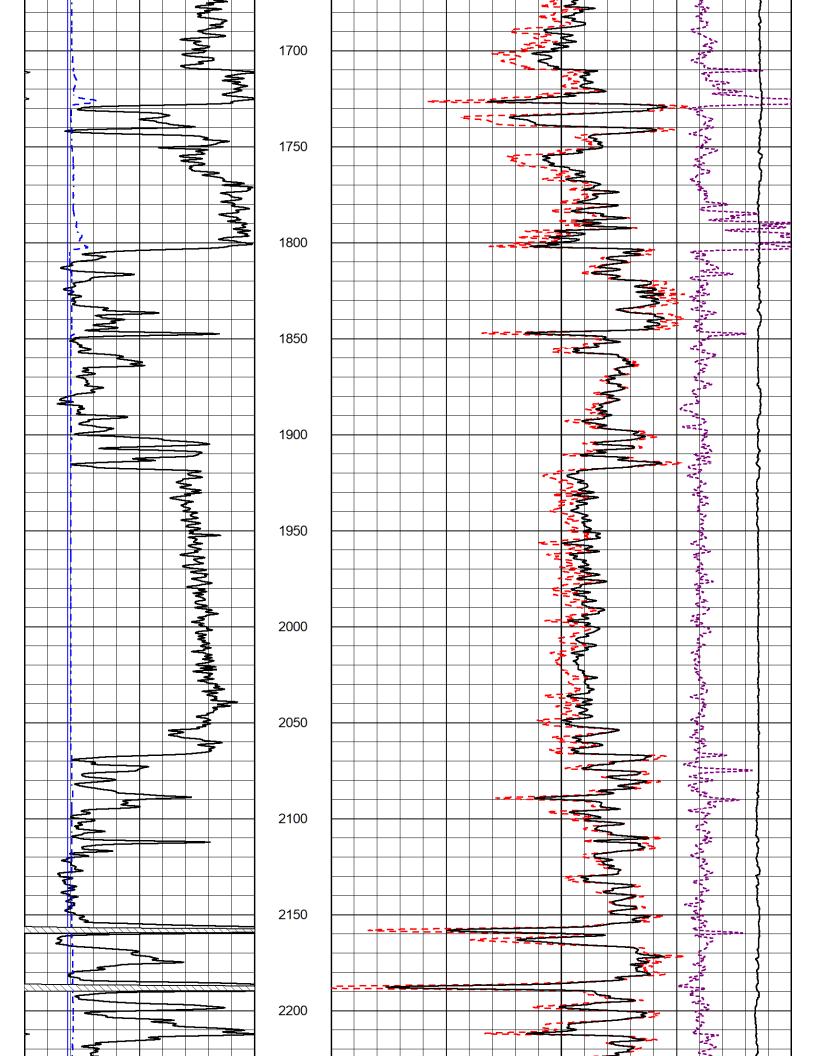
Presentation Format

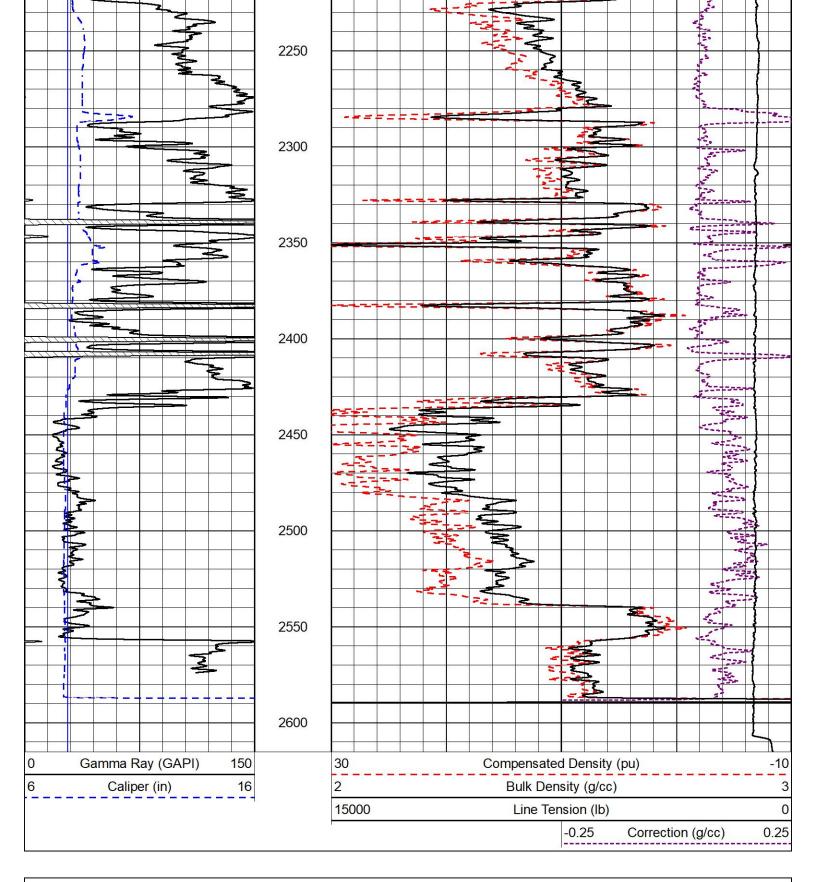
0

_cdl

Dataset Creation Fri Dec 03 03:28:42 2021 Charted by Depth in Feet scaled 1:600

U	Odiffilla Ray (OAFT)	150	30			0011	iperisati	o Delisity	(pu)		-10
6	Caliper (in)	16	2			I	Bulk De	nsity (g/cd)		3
			15000				Line Te	ension (lb)			0
								-0.25	Corre	ction (g/cc)	0.25
		1500									11124122
								-2	=	44-5	
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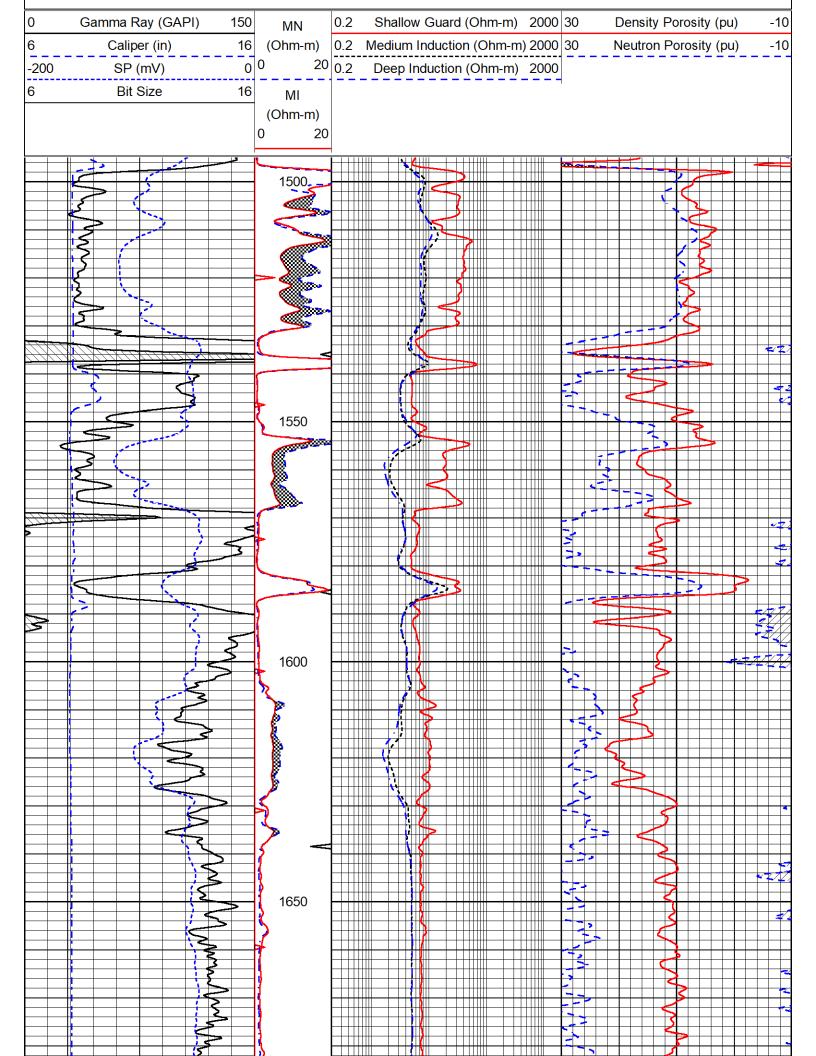
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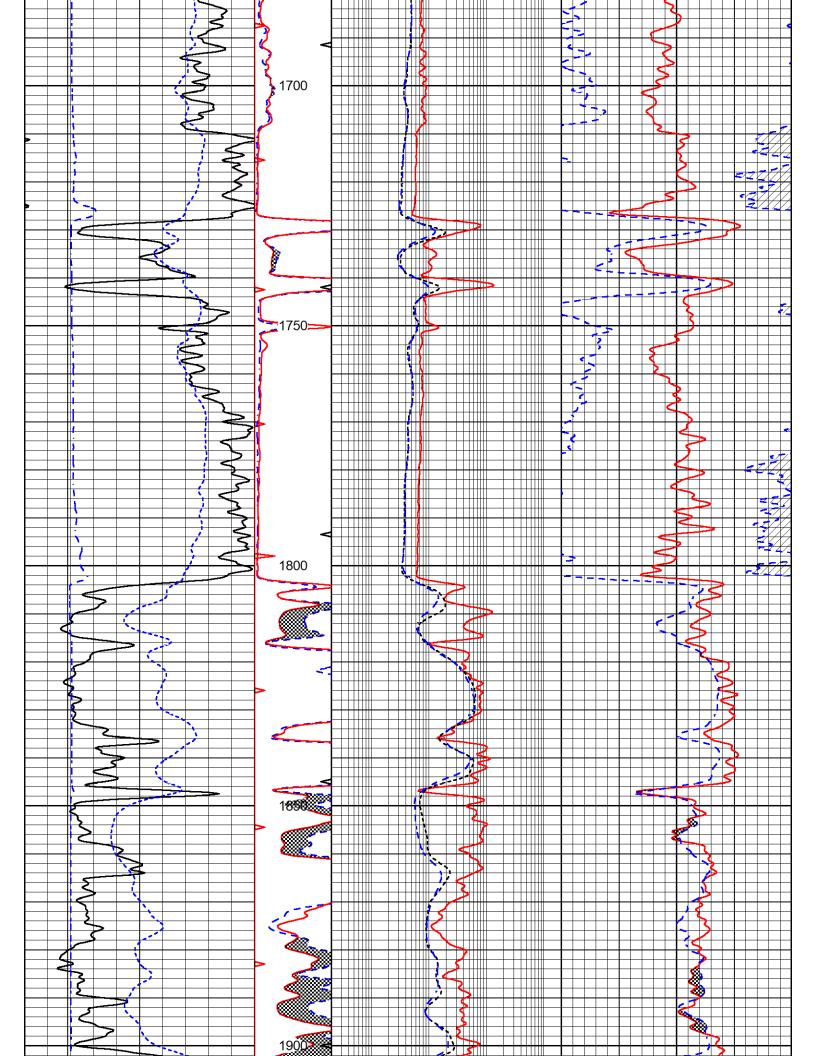
MAIN PASS

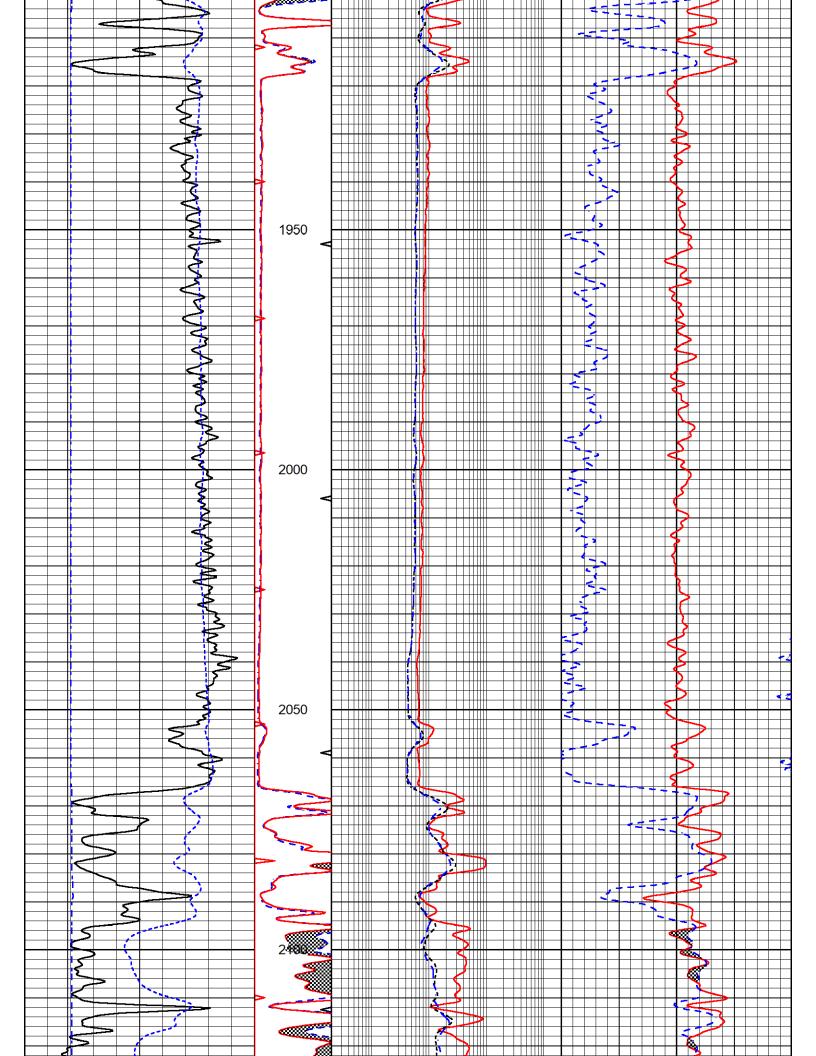
Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

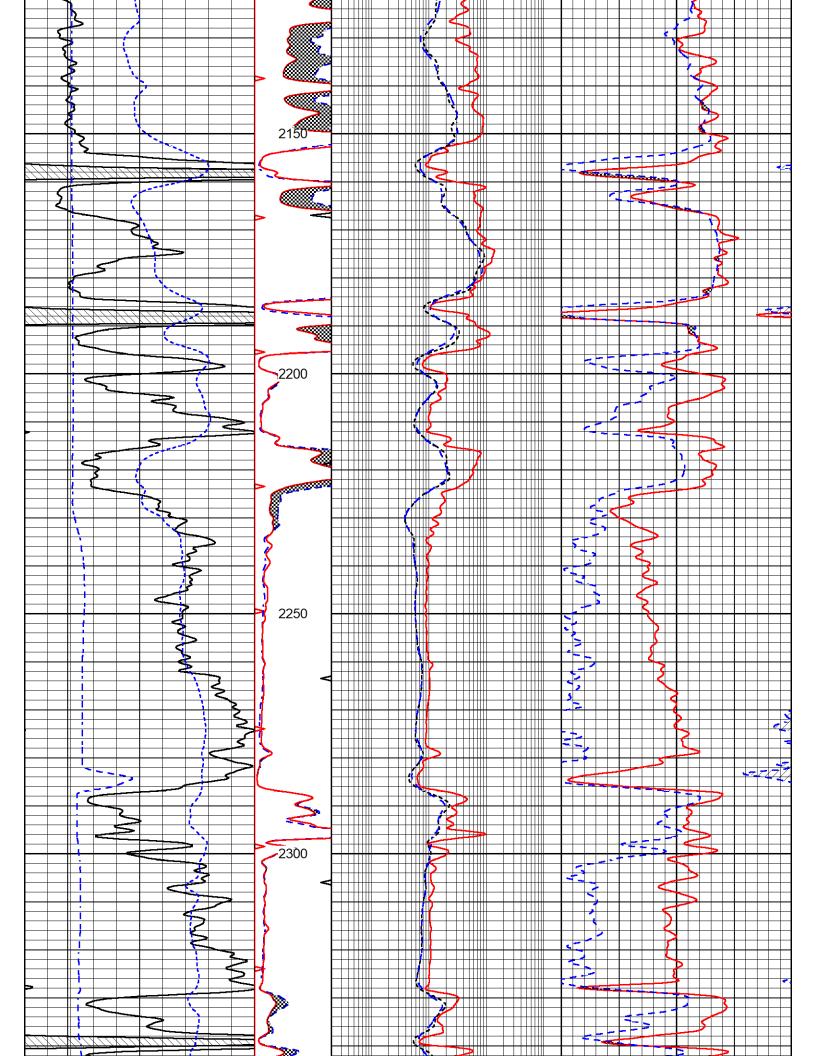
epoc_t wiebe 31-8.db stkml/pass3.1 jamex

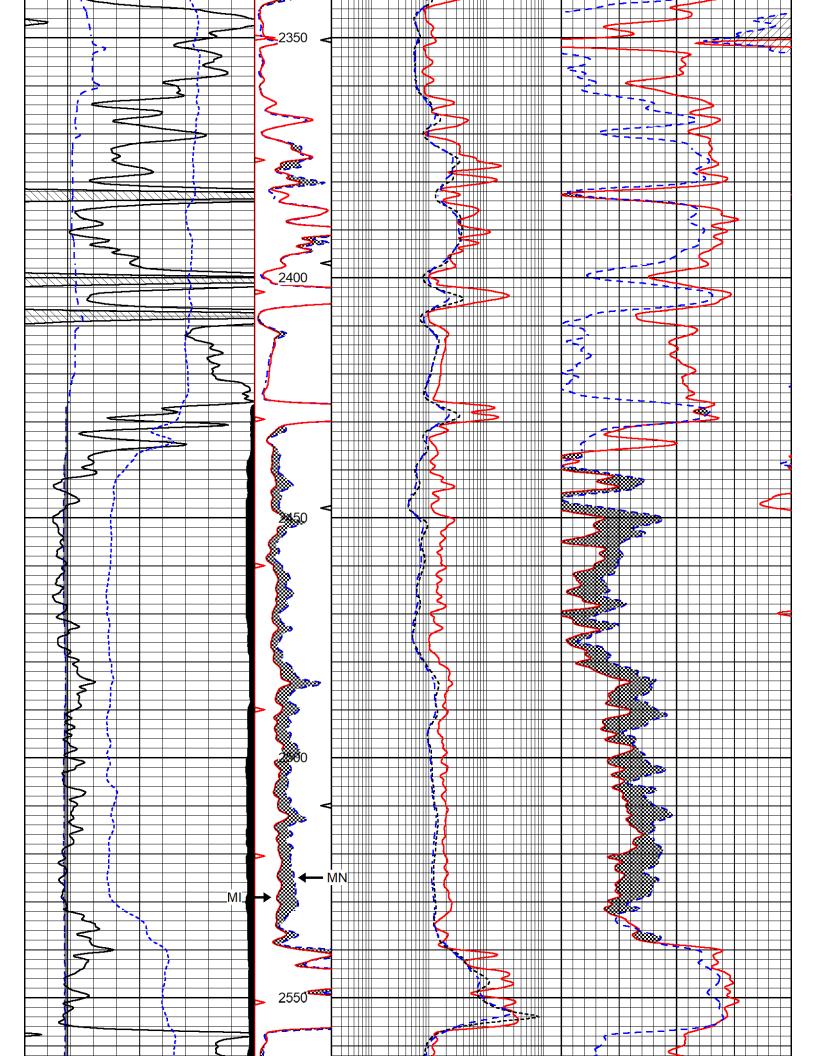
ataset Creation Fri Dec 03 03:26:25 2021
harted by Depth in Feet scaled 1:240

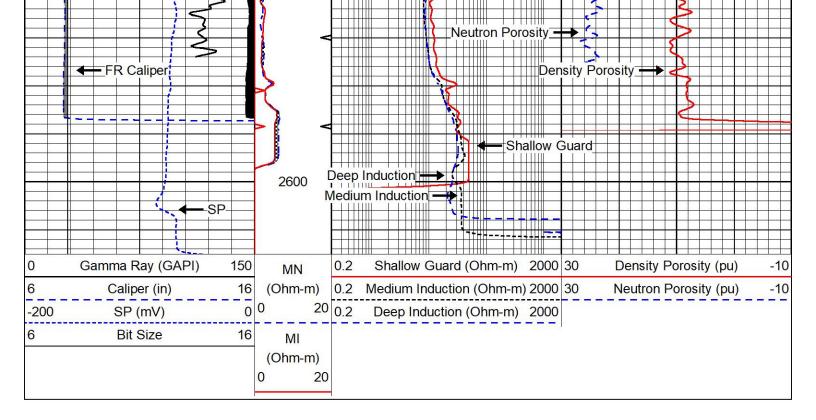














REPEAT SECTION

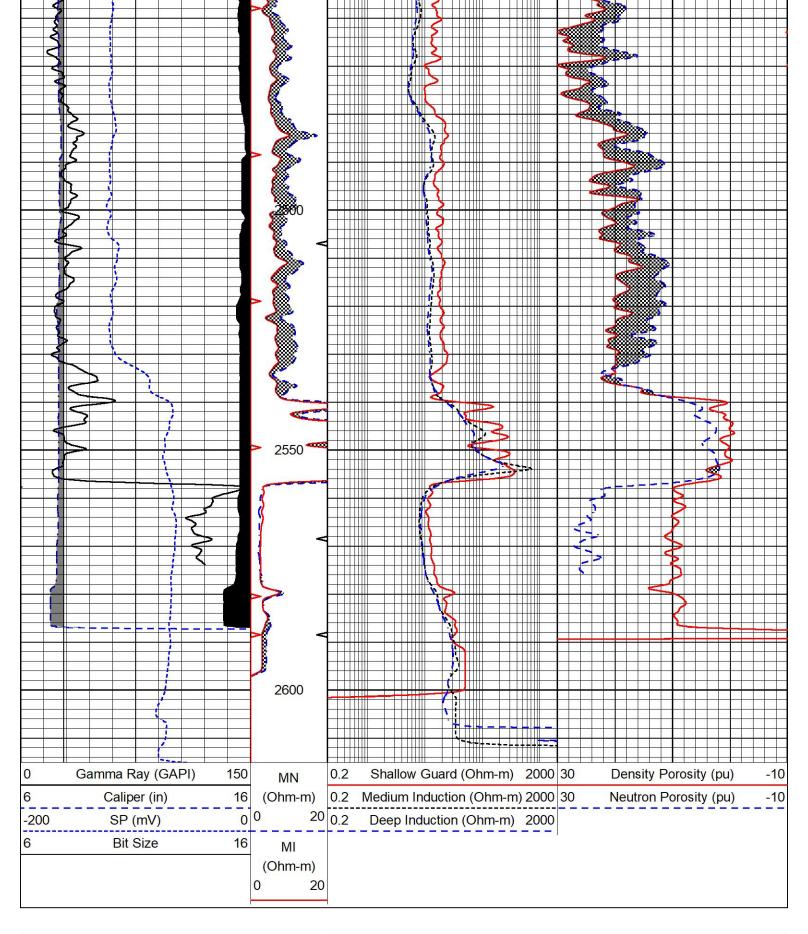
REPEAT PASS

Database File epoc_t wiebe 31-8.db Dataset Pathname stkml/pass2.1

Presentation Format jamex

Dataset Creation Fri Dec 03 02:58:06 2021 Charted by Depth in Feet scaled 1:240

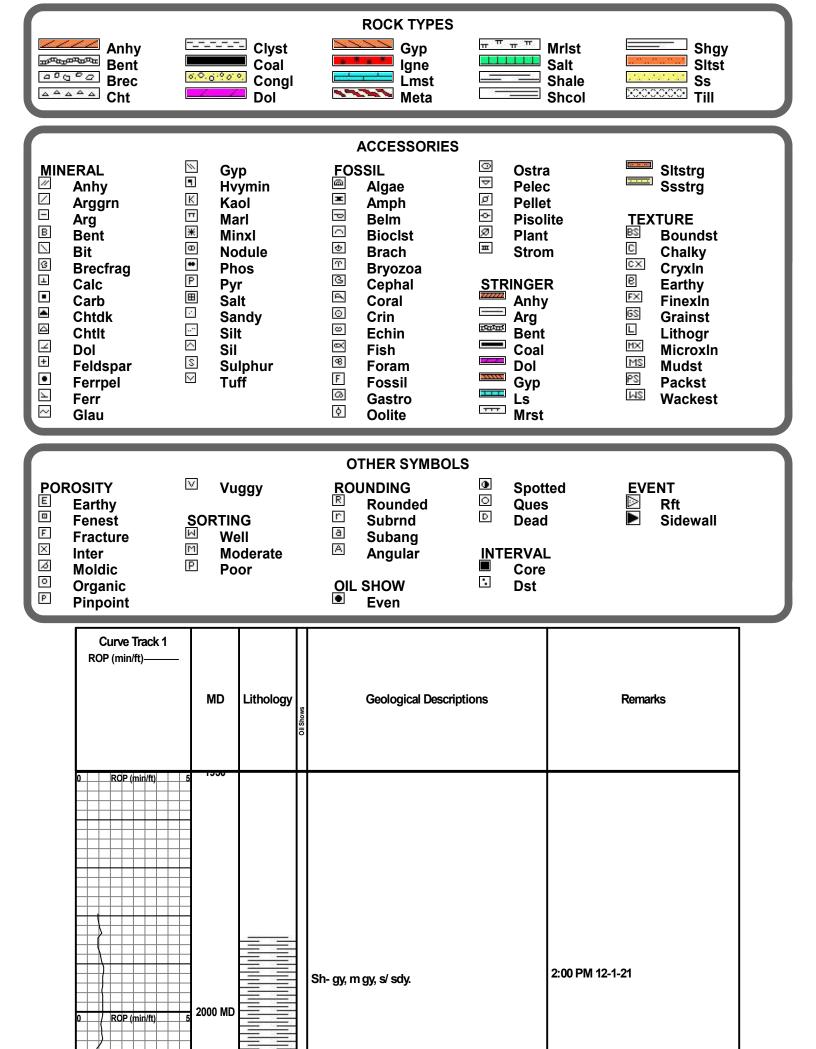
0	Gamma Ray (GAPI)	150	MN	0.2	Shallow Guard (Ohm-m)	2000	30	Density Porosity (pu)	-10
6	Caliper (in)	16		0.2	Medium Induction (Ohm-m) 2000	30	Neutron Porosity (pu)	-10
-200	SP (mV)	0	0 20	0.2	Deep Induction (Ohm-m)	2000			
6	Bit Size	16	MI						
			(Ohm-m)						
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Siale Kansas MIDWEST WIRELINE

MUD LOG **WellSight Systems** Scale 1:240 (5"=100') Imperial **Measured Depth Log** Well Name: T. Wiebe #31-8 API: 15-015-24156 Location: S/2 S/2 S/2 NE Sec. 31-T23S-R5E License Number: 35831 Region: Butler Spud Date: 11/29/21 **Drilling Completed: 12-2-21** Surface Coordinates: 2850' FSL & 1320' FEL **Bottom Hole** Coordinates: Ground Elevation (ft): 1460 K.B. Elevation (ft): 1469 Logged Interval (ft): 1500 To: 2607 Total Depth (ft): 2610 Formation: Kinderhook Type of Drilling Fluid: Chemical Printed by MudLog from WellSight Systems 1-800-447-1534 www.WellSight.com **OPERATOR** Company: EPOC, LLC Address: 313 E. Aaron DR Andover, KS 67002-8649 **GEOLOGIST** Name: William M. Stout Company: Address: Cores **DSTs Comments** Because of the oil shows in the Mississippi Chert the decision was made to set and cement 5 1/2" casing to test the shows through perforations.



				Sh- A.A.	
				SIF AA	
	+				
	+				
				Sh- Gy, dk gy, sli sdy.	
				on by, an bay.	
		2050			
				Sh- A.A. s/ calc.	
					Kansas City 2069' -600
	\blacksquare			Ls- It bm, bm, gy, f-x, fos, dns, NS, NV por.	log 2067' -598
				LS-10 biri, biri, gy, 1-x, 105, dris, 145, 147 poi.	
$H \subseteq H \cap H$	+				
	\blacksquare				
				Ls- It bm, It gy, f-x, fos, dns, sli chky, NS, w/	
				Sh- gy, gm.	
$+$ $\overline{+}$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$ $+$		2100			
	\blacksquare			Ls- It bm, f-x, fos, dns, chky, NS, NV por, Sh-	
				gy.	
				97	
	\perp			Ls- A.A. w/ Sh- gy.	
				LS- A.A. W/ SII- gy.	
	+				
7					
				Ls- It bm, It gy, f-x, fos, chky, NS, scat inter-x	
				por.	
	+				
		2150		Ls- It bm, It gy, f-x, fos, dns, NS, NV por.	
	\mp			20 10 Mily 10 gy, 12A, 100, 0110, 140, 144 poil	
	$\downarrow \downarrow$				
	\pm			Sh- dk gy, blk, w/ Ls- A.A.	
	\perp				
H	\blacksquare				
	\mp			Ls- It bm, f-x, fos, s/ inter-x por, NS.	
	\parallel				
	\bot			l	
				Ls- A.A. dns, NV por.	
	+				
	\blacksquare			A.A., w/ Sh- blk, carb, dk gy.	
	\parallel			, , , , , , , , , , , , , , , , , , , ,	
	\perp				
0 ROP (min/ft)	5	2200 MD		Ls- It bm, bm, f-x ,dns, fos, NS, NV por, Sh-	
	+			dk gy, gy.	
					BKC 2209' -740
	耳				log 2206' -737
	\bot			Sh- gy, gm, s/ sdy.	109 2200 -101
	+		= ==		
	\dashv			Oh midlimit a large seriffs	
	\blacksquare			Sh- gy, dk gy, Ls- bm, gy, f to m-x, dns, NS.	
	+				

									Sh- dk gy, gy, gm, s/ red, vy sdy in pt, NS.	
					22	250			Sh- A.A. w/ Ss- gy, f-gm, arg, calc, hd, NS, NV por, pyr.	
									Sh & Ss- A.A. s mica, NS.	
	1								Sh- gy, dk gy, sdy.	
Ė									Sh- gy, dk gy.	Marmaton 2290' -821
					23	300			Ls- It bm, bm, f to m-x, dns, fos, NS, Sh- gy, gm.	log 2287' -818
									Sh- gm, gy, sli sdy.	
Ė			>							Altamont 2332' -863 log 2330' -861
	\(\frac{1}{2}\)	>			23	350			Ls- It gy, gy, It bm, f-x, dns, few fos, NS, Sh-gy, gm, tr blk.	
0		RC	ale Ch	iange in/ft)	10				Sh- dk gy, gy, gm.	Bit trip @ 2355' Change to tri-cone button bit, Pawnee 2365' -896
		~	5	>					Ls- brn, It brn, f-x, scat m-x, fos, dns, NS, NV por.	log 2363' -894
	_			,					Ls- It bm, f-x, few fos, dns, NS.	Bit trip @ 2377' Vis. 38
		<	}	2					Ls- It bm, bm, f-x, dns, NS, w/ tr Sh- dk gy, blk.	Wt. 9.6 WL. 9.4 LCM. 3#
0		RC	DP(m)	in/ft)	240	0 MD			Sh- dk gy, blk, s/ carb, w/ Ls- A.A.	Cherokee 2410' -941
F		}				_			Sh- gy, gm, dk gy, blk, w/ Ls- A.A.	log 2407' -938
									Sh- red, gy, gm.	Conglomerate 2428' -959
			>						Ss- It bm, It gy, f-gm, calc, hd, NS, s/ arg, w/ Sh- A.A.	log 2426' -957 Mississippi 2439' -970
F	(Ħ	Ħ	1		A A A A A	ارا		log 2436' -967
		>					4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0	Cht- It bm, off wht, opq, mostly wea, fr to gd odor, scat It stn, SFO w/ tr GB, scat pp &	-

	2450	~ ^ ~ ~ ~ ~	70	inter-x por, w/ fluor, (30%).	
				Inter-x por, w/ fluor, (30%).	
		2 2 2 2 2	П		
			0	Cht- A.A. w/ inc fresh, s/ amber, trans, inc	
	1	4444	П	fluor, (40%).	
		A A A A A	П	Olet It have affected analysis assettly finests trans-	
		4444	•	Cht- It bm, off wht, amber, mostly fresh, trans	
		4444	ľ	to opq, ft odor, scatered It stn, SSFO, spotty	
		4444	П	fluor, (25%)	
		4444	0	A	
		4444	•	Cht- A.A. fluor (15%)	
	1	4444	П		
		4444	П	Cht- A.A. no odor, vy scat spotty fluor, (10%)	
		A A A A A	П	w/ Sh- gy, gm.	
	1	4444	П	w Sii- gy, giii.	
		4444	П	Old sold souls on for the desired to some NO	
	1	4444	П	Cht- wht, amber, fresh, trans to opq, NS,	
		4444	П	abund Sh- gy, gm.	
	2500	4444	П		
]		П		
			П		
		A A A A A	П	Cht- wht, opq to trans, fresh, NS, s/ Sh- A.A.	
				one with opy to trains, mean, no, a on A.A.	
]	4444	H		
			H		
			П		
		A A A A A	П		
			П	Cht- A.A.	
		4444	П	CIII- A.A.	
		4444	П		
		4444	П		
		4444	П		Mississinni I ime 2542' -1073
		• • • • • • • • • • • • • • • • • • •			Mississippi Lime 2542' -1073
					Mississippi Lime 2542' -1073 log 2540' -1071
		4444		Cht- A.A. w/ Ls- It bm, f to m-x, dns, NS, NV	
	2550			Cht- A.A. w/ Ls- It bm, f to m-x, dns, NS, NV por.	
				por.	log 2540' -1071
		4444		por.	log 2540' -1071 Kinderhook 2560' -1091
		4444		por.	log 2540' -1071
		444		por. Ls- It bm, f to m-x, dns, s/ chky, NS.	log 2540' -1071 Kinderhook 2560' -1091
		4444		por.	log 2540' -1071 Kinderhook 2560' -1091
		444444444444444444444444444444444444444		por. Ls- It bm, f to m-x, dns, s/ chky, NS.	log 2540' -1071 Kinderhook 2560' -1091
		444444444444444444444444444444444444444		por. Ls- It bm, f to m-x, dns, s/ chky, NS.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm.	log 2540' -1071 Kinderhook 2560' -1091
	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm.	log 2540' -1071 Kinderhook 2560' -1091
				por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm.	log 2540' -1071 Kinderhook 2560' -1091
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091 log 2557' -1088
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091 log 2557' -1088 R.T.D. 2610' -1141
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091 log 2557' -1088 R.T.D. 2610' -1141 log 2607' -1038
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091 log 2557' -1088 R.T.D. 2610' -1141
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091 log 2557' -1088 R.T.D. 2610' -1141 log 2607' -1038
0 ROP (min/ft) 10	2550			por. Ls- It bm, f to m-x, dns, s/ chky, NS. Ls- A.A. w/ Sh- gy, gm, dk dy. Sh- gy, dk gy, gm. Sh - dk gy, gy, gm.	log 2540' -1071 Kinderhook 2560' -1091 log 2557' -1088 R.T.D. 2610' -1141 log 2607' -1038