KOLAR Document ID: 1668754

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: State: Zip: +	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.xxxxx) (e.gxxx.xxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
New Well Re-Entry Workover	Field Name:		
	Producing Formation:		
☐ Oil ☐ WSW ☐ SWD	Elevation: Ground: Kelly Bushing:		
☐ 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)			
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)		
Described	Chloride content: ppm Fluid volume: bbls		
☐ Commingled Permit #:	Dewatering method used:		
SWD Permit #:	Location of fluid disposal if hauled offsite:		
EOR Permit #:	Location of fluid disposal if flauled offsite.		
GSW Permit #:	Operator Name:		
	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R		
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: 1668754

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	Type of Cement # Sacks Use		ed Type and Percent Additives			
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Perforation Perforation Bridge Plug Bridge Plug Foot Top Bottom Type Set At			Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record		
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion		
Operator	Castle Resources, Inc.		
Well Name	WARFEL 1		
Doc ID	1668754		

Tops

Name	Тор	Datum
Anhydrite	1368-1401	+662
Heebner	3525	-1395
LKC	3568	-1338
ВКС	3840	-1710
Pawnee	3928	-1798
Cherokee	4010	-1880
Mississippi	4072	-1942
RTD	4123	-1993

Form	ACO1 - Well Completion		
Operator	Castle Resources, Inc.		
Well Name	WARFEL 1		
Doc ID	1668754		

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	28	207	common	3%CC 2%Gel



Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665 Warfel #1
Job Ticket: 69835

DST#: 1

ATTN: Jerry Green

Test Start: 2022.09.29 @ 00:00:00

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: Tester: Dustin Day
Time Test Ended: Unit No: 70

 Interval:
 3985.00 ft (KB) To
 4074.00 ft (KB) (TVD)
 Reference ⊟evations:
 2190.00 ft (KB)

Total Depth: 4125.00 ft (KB) (TVD) 2185.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 5.00 ft

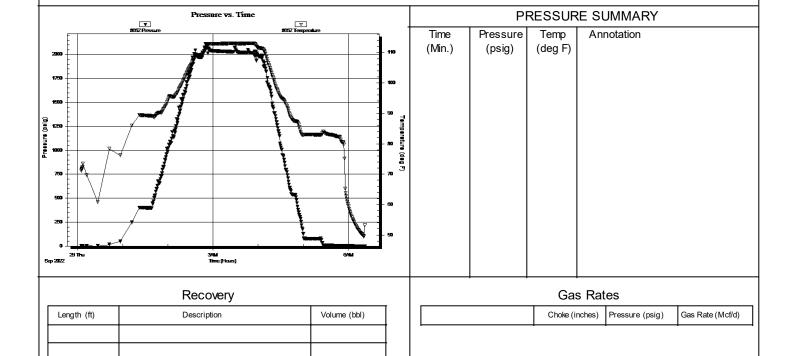
Serial #: 8652 Outside

 Press@RunDepth:
 psig
 @
 3995.00 ft (KB)
 Capacity:
 8000.00 psig

 Start Date:
 2022.09.29
 End Date:
 2022.09.29
 Last Calib.:
 2022.09.29

Start Time: 00:05:05 End Time: 06:21:59 Time On Btm: Time Off Btm:

TEST COMMENT: Hit bridge aprox. 100' off bottom



Trilobite Testing, Inc Ref. No: 69835 Printed: 2022.09.29 @ 07:32:17



Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665 Warfel #1
Job Ticket: 69835

DST#: 1

ATTN: Jerry Green

Test Start: 2022.09.29 @ 00:00:00

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: Tester: Dustin Day
Time Test Ended: Unit No: 70

 Interval:
 3985.00 ft (KB) To
 4074.00 ft (KB) (TVD)
 Reference ⊟evations:
 2190.00 ft (KB)

Total Depth: 4125.00 ft (KB) (TVD) 2185.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 5.00 ft

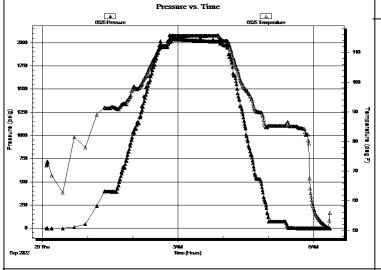
Serial #: 6625 Inside

 Press@RunDepth:
 psig
 @
 3995.00 ft (KB)
 Capacity:
 8000.00 psig

 Start Date:
 2022.09.29
 End Date:
 2022.09.29
 Last Calib.:
 2022.09.29

Start Time: 00:05:05 End Time: 06:21:59 Time On Btm: Time Off Btm:

TEST COMMENT: Hit bridge aprox. 100' off bottom



	PRESSURE SUMMARY					
	Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation		
	(101111.)	(psig)	(deg r)			
Temperatura (den E)						
(1)						

Recovery

Length (ft)	Description	Volume (bbl)

Gas Rates			
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)	

Trilobite Testing, Inc Ref. No: 69835 Printed: 2022.09.29 @ 07:32:17



Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665

Job Ticket: 69835

Warfel #1

DST#: 1

ATTN: Jerry Green

Test Start: 2022.09.29 @ 00:00:00

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)

Time Tool Opened: Tester: Dustin Day
Time Test Ended: Unit No: 70

Interval: 3985.00 ft (KB) To 4074.00 ft (KB) (TVD) Reference ⊟evations: 2190.00 ft (KB)

Total Depth: 4125.00 ft (KB) (TVD) 2185.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 5.00 ft

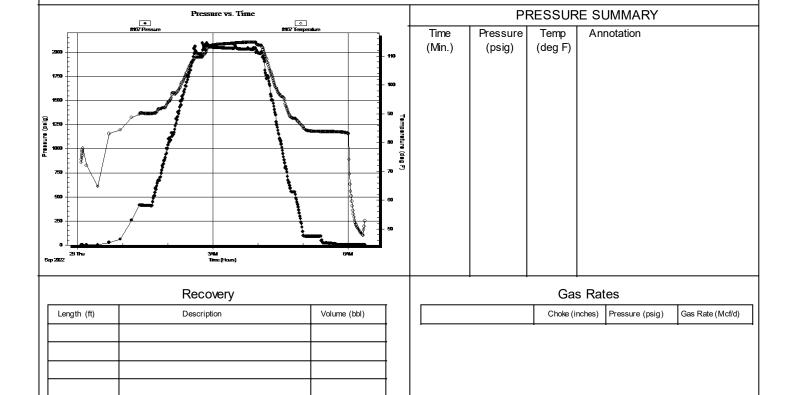
Serial #: 8167 Below (Straddle)

 Press@RunDepth:
 psig
 @
 4087.00 ft (KB)
 Capacity:
 8000.00 psig

 Start Date:
 2022.09.29
 End Date:
 2022.09.29
 Last Calib.:
 2022.09.29

Start Time: 00:05:05 End Time: 06:22:14 Time On Btm: Time Off Btm:

TEST COMMENT: Hit bridge aprox. 100' off bottom



Trilobite Testing, Inc Ref. No: 69835 Printed: 2022.09.29 @ 07:32:17



FLUID SUMMARY

Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665

Job Ticket: 69835

Warfel #1

DST#: 1

ATTN: Jerry Green

Test Start: 2022.09.29 @ 00:00:00

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: 10.00 lb/gal ft Water Salinity: ppm

Viscosity: 49.00 sec/qt Cushion Volume: bbl

Water Loss: 15.99 in³ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psig

Salinity: 12000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl

Total Volume: Total Length: ft bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: 1 1/2# LCM

Trilobite Testing, Inc Ref. No: 69835 Printed: 2022.09.29 @ 07:32:18

80

Temperature (deg F)

90

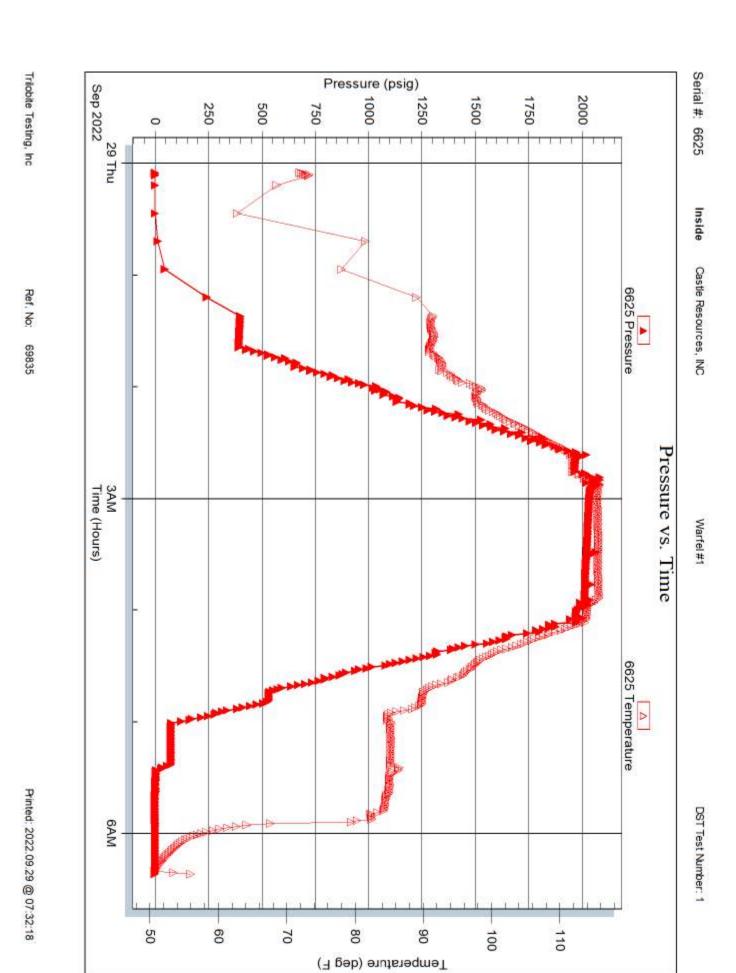
70

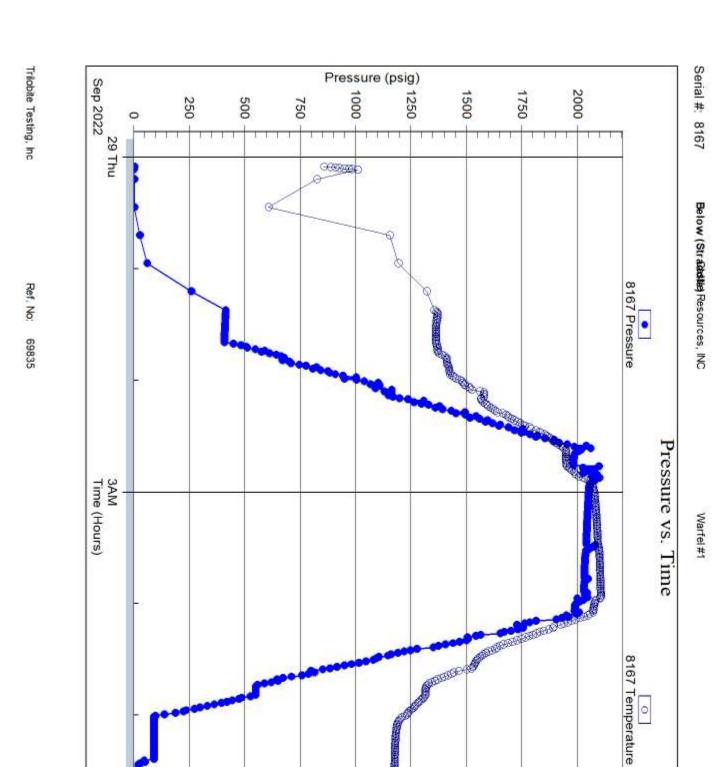
100

110

50

60





DST Test Number: 1

6AM

Temperature (deg F)



Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665 Warfel #1
Job Ticket: 69836

Tester:

DST#: 2

2190.00 ft (KB)

2185.00 ft (CF)

ATTN: Jerry Green

Test Start: 2022.09.29 @ 11:54:00

Dustin Day

GENERAL INFORMATION:

Formation: Cherokee Sand

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 14:33:45 Time Test Ended: 18:39:15

39:15 Unit No: 70

Interval: 3985.00 ft (KB) To 4125.00 ft (KB) (TVD) Reference Elevations:

Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 5.00 ft

Serial #: 8652 Outside

Total Depth:

Press@RunDepth: psig @ 3986.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2022.09.29
 End Date:
 2022.09.29
 Last Calib.:
 1899.12.30

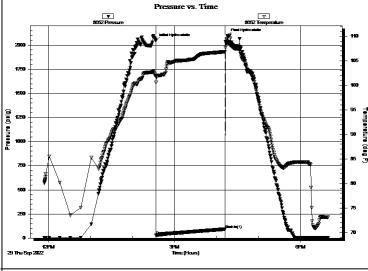
 Start Time:
 11:54:05
 End Time:
 18:39:14
 Time On Btm:
 2022.09.29 @ 14:33:30

 Time Off Btm:
 2022.09.29 @ 16:16:00

TEST COMMENT: IF-96- Built to 8 1/4"

Pull tool

4125.00 ft (KB) (TVD)



	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	2044.56	101.90	Initial Hydro-static		
	1	29.43	100.63	Open To Flow (1)		
	99	92.25	106.82	Shut-In(1)		
	103	2098.20	109.82	Final Hydro-static		
,						
9						

Recovery

Length (ft)	Description	Volume (bbl)
140.00	WCM 15% w ater 85%mud	1.96
* Recovery from mult	tinle tests	•

Gas Rates			
	Choke (inches)	Pressure (neig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc Ref. No: 69836 Printed: 2022.09.29 @ 19:05:12



Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665 Warfel #1

Tester:

Job Ticket: 69836

DST#: 2

ATTN: Jerry Green

Test Start: 2022.09.29 @ 11:54:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**

Deviated: Whipstock: Test Type: Conventional Bottom Hole (Reset) ft (KB)

Time Tool Opened: 14:33:45 Time Test Ended: 18:39:15

Dustin Day Unit No: 70

3985.00 ft (KB) To 4125.00 ft (KB) (TVD)

Reference Elevations: 2190.00 ft (KB)

Total Depth: 4125.00 ft (KB) (TVD)

2185.00 ft (CF) KB to GR/CF: 5.00 ft

Hole Diameter: 7.88 inches Hole Condition:

Serial #: 6625 Inside

Interval:

Press@RunDepth: 3986.00 ft (KB) 8000.00 psig psig @ Capacity:

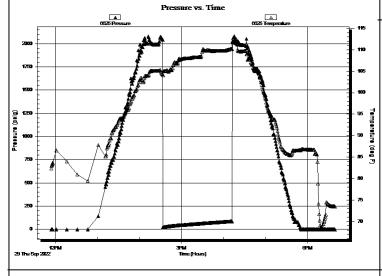
Time

Start Date: 2022.09.29 End Date: 2022.09.29 Last Calib.: 1899.12.30

Start Time: 11:54:05 End Time: Time On Btm: 18:39:14 Time Off Btm:

TEST COMMENT: IF-96- Built to 8 1/4"

Pull tool



(Min.)	(psig)	(deg F)	

PRESSURE SUMMARY

Pressure Temp Annotation

Recovery

Length (ft)	Description	Volume (bbl)
140.00	WCM 15% w ater 85%mud	1.96
* Recovery from mult	tiple tests	

Gas Rat	es	
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Ref. No: 69836 Trilobite Testing, Inc Printed: 2022.09.29 @ 19:05:12



FLUID SUMMARY

ppm

Castle Resources, INC

8-17S-20W Rush, KS

P.O. Box 583 Russell, KS 67665 Warfel #1

Job Ticket: 69836

DST#: 2

ATTN: Jerry Green

Test Start: 2022.09.29 @ 11:54:00

Water Salinity:

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight:10.00 lb/galCushion Length:ftViscosity:51.00 sec/qtCushion Volume:bbl

Water Loss: 12.79 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 10000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	WCM 15% w ater 85%mud	1.964

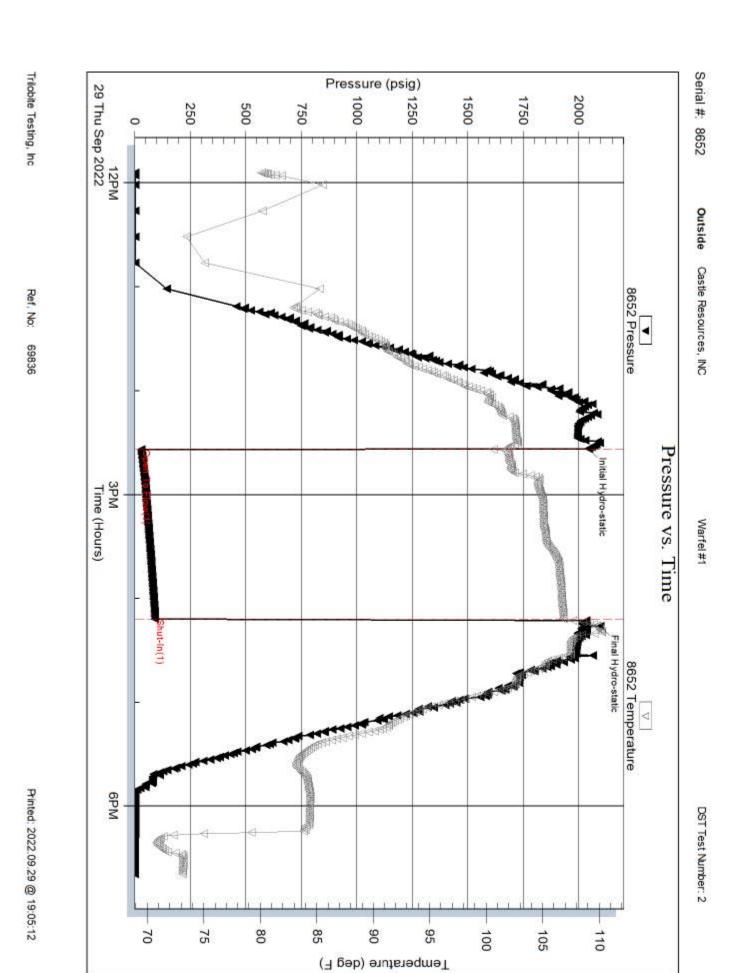
Total Length: 140.00 ft Total Volume: 1.964 bbl

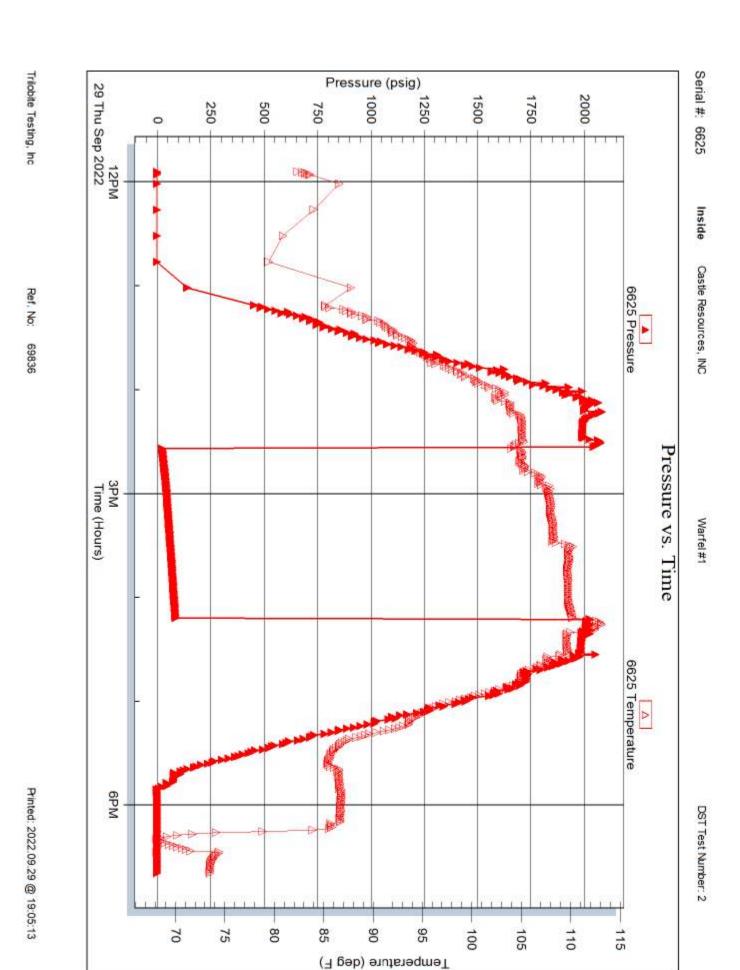
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

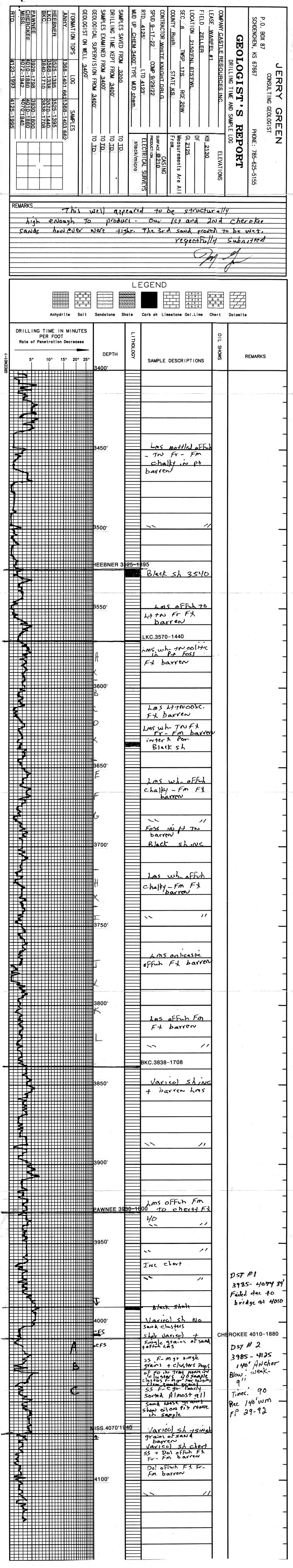
Laboratory Name: Laboratory Location:

Recovery Comments: 1 1/2# LCM

Trilobite Testing, Inc Ref. No: 69836 Printed: 2022.09.29 @ 19:05:12







KS Oilfield Service

street Victoria, KS 67671 • 24 Hour Phone (785) 639-7269 Zhone (785) 639-3949

♦ Email: franksoilfield@yahoo.com

TICKET NUMBER_	0722
LOCATION HOX	نع)
FOREMAN Ton	1 Williams

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER#	WELL	NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
9-17-22	9860	Warfel		1	3	17	20	Rush
CUSTOMER	Stle Resou	reps Inl			TRUCK#	DRIVER	TRUCK #	DRIVER
MAILING ADDRE	ESS				102	Tom U		
Pa	O BOX S	93			202	SALT		
CITY		STATE	ZIP CODE			20.00 (mark to the control of the co		
KU5581	/	K5	67665					
JOB TYPE 3	urface	HOLE SIZE		HOLE DEPTH	1	CASING SIZE & V	VEIGHT <u> </u>	45#
		DRILL PIPE					OTHER	
	Π						CASING	
DISPLACEMENT	19.5 Bb/	DISPLACEMENT	PSI	MIX PSI	, h	RATE		
REMARKS: 5	cter me	eting ,	L 50t	up an	White K.	nght, (sowere	MOIR.
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				-67	1 11011	1	inc.c	M. M. C.
ACCOUNT	QUANTITY	or UNITS		DESCRIPTION O	of SERVICES or PF	RODUCT	UNIT PRICE	TOTAL
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mont	9 2	7	MILEAGE	IGE DUT	Tac		\$450	\$430 50
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			L			ALL STATES OF THE STATES OF TH	ESTIMATED	T
							TOTAL	6386.47
AUTHORIZATIO	ONNC			TITLE			DATE	

FRANKS Oilfield Service

- ♦ 815 Main Street Victoria, KS 67671 ♦ 24 Hour Phone (785) 639-7269
- ♦ Office Phone (785) 639-3949
- Email: franksoilfield@yahoo.com

TICKET NUMBER	0736
LOCATION HOVE	
FOREMAN Reston	

FIELD TICKET & TREATMENT REPORT CEMENT

DATE	CUSTOMER#	WELL	NAME & NUMB	ER	SECTION	TOWNSHIP	RANGE	COUNTY
Fi. 9-30-22		Worfel +			8	1 17	200	6115
CUSTOMER					TRUCK #	DRIVER	TRUCK #	DRIVER
(MAILING ADDRE	Castle Rus	burces			100K#	Peston	1	
VIAILING ADDAE	_33				202			
CITY		STATE	ZIP CODE		202	More		
וווע								
	TN	LIOLE SIZE		J HOLE DEPTH	l	CASING SIZE & W	/EIGHT	
JOB TYPE D		DDILL DIDE		TUBING			OTHER	
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				1/2	* Crew			
ACCOUNT	CHANTE	DV or LINITS	T	ESCRIPTION	of SERVICES or P	RODUCT	UNIT PRICE	TOTAL
CODE	QUANTII	Y or UNITS					\$150000	\$150000
PC005		<u> </u>	PUMP CHAR	GE			\$ 650	\$43050
m061	_	7	MILEAGE	/ 6	\ /·		\$1294 95	\$1294 95
MOOR		9 tons	101/	7:40g 1	Delivery book War	n. 5001	\$1475	\$335000
CB0/0	700	seclys	100	440 41	6 cel 74	718-3621	Pia	1000
							11.1	\$1,775 4
							subtotal	\$1.77.50
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							TOTAL	2300.11
AUTHORIZAT	TION			TITLE			DATE	at roporde at OII